ADDITIONAL SITE INVESTIGATION REPORT

3610 Gravenstein Highway South Sebastopol, California

June 7, 2005

Project No. 403

ADDITIONAL SITE INVESTIGATION REPORT

3610 Gravenstein Highway South Sebastopol, California

Prepared for:

Mr. John Lander 3610 Gravenstein Highway South Sebastopol, California 95472

Prepared by:

Brunsing Associates, Inc. P. O. Box 588 Windsor, California 95492 (707) 838-3027

Project No. 403

Author:

David E Come, F.G. Senior Geologist

EOFCAL

Reviewer:

Diana M. Dickerson, P.G., R.E.A.

Principal Geologist



TABLE OF CONTENTS

		PAGE ·
	e of Contents	1 ::
List	of Tables, Plates and Appendices	ii
1.0	BACKGROUND	1
	1.1 Site Description	1
	1.2 Site History	1
2.0	SENSITIVE RECEPTOR SURVEY	3
3.0	SOIL BORINGS	4
	3.1 Soil Boring Locations	4
	3.2 Drilling Methods and Soil Sampling	4
	3.3 Groundwater Sampling from Borings	5
4.0	SOIL EXCAVATION	5
	4.1 Soil Sampling	5
	4.2 Water Sampling	5
	4.3 Loading, Transport and Disposal Procedures	6
	4.4 Excavation Backfilling	6
5.0	ANALYTICAL RESULTS	6
	5.1 Soil Borings Soil Analysis	6
	5.2 Soil Borings Grab Groundwater Analysis	6
	5.3 Excavation Soil Analysis	7
6.0	CONCLUSIONS AND RECOMMENDATIONS	7
7.0	DISTRIBUTION	9
TAI	BLES	



PLATES

APPENDICES

LIST OF TABLES, PLATES AND APPENDICES

TABLES

Domestic Well Analytical Data Starting in 2002
Groundwater Analytical Results Starting in 1993
Groundwater Elevation Data Starting in 1994
Soil Sample Analytical Data - Soil Borings
Groundwater Sample Analytical Data- Soil Borings
Excavation Soil Sample Analytical Data
Geophysical Anomaly Excavation Soil Sample Analytical Data

PLATES

Plate 1.	Location Map
Plate 2.	Site Plan
Plate 3.	Excavation Area Map
Plate 4.	Well Survey Map
Plate 5.	Geophysical Anomaly Excavation Map

APPENDICES

	Sensitive Receptor Survey Letter
Appendix B.	Department of Water Resources Well Logs
Appendix C.	Soil Boring Logs
Appendix D.	Landfill Manifest
Appendix E.	Analytical Laboratory Reports



1.0 BACKGROUND

Brunsing Associates, Inc. (BAI) has prepared this report for an additional site investigation of the former underground storage tanks (USTs) site located at 3610 Gravenstein Highway, Sebastopol, California (Plate 1). This scope of work was performed in response to the Sonoma County Department of Health Services-Environmental Health Division (SCDHS-EHD) letter dated January 20, 2004, which requested additional site investigation including the anomaly reported by NORCAL Geophysical Consultants, Inc. (NORCAL), and a sensitive receptor survey.

1.1 Site Description

The site is located in a mixed-use rural residential and commercial area on Highway 116, in an unincorporated portion of Sonoma County, southeast of Sebastopol. The site is located near the corner of State Highway 116 and Lone Pine Road (Plate 1). Site elevation is approximately 90 feet above mean sea level. Local topography slopes gently to the north, towards the confluence of Blucher Creek and the Laguna de Santa Rosa. At its closest point, Blucher Creek is approximately 1,400 feet west of the study site, and at its closest point the Laguna de Santa Rosa is approximately 1,400 feet east of the study site.

1.2 Site History

In December 1986, three USTs were removed by Eddie Neal Construction, Inc., of Santa Rosa, California. Two tanks were located in a common excavation; one 7,500-gallon tank had stored unleaded gasoline and one 5,000-gallon tank had stored leaded gasoline. One 300-gallon waste oil tank was located approximately 20 feet south of the fuel tanks excavation (Plate 2). Soil samples collected from the gasoline tank excavation contained concentrations of total petroleum hydrocarbons (TPH) as gasoline up to 33 milligrams per kilogram (mg/kg). A soil sample collected beneath the waste oil tank excavation was analyzed for TPH as diesel but not for other waste oil constituents. TPH as diesel was not detected in that sample.

On November 22, 1994, NORCAL performed a subsurface geophysical investigation. The NORCAL geophysical report, dated December 1, 1994 described items located at the site that included: (1) underground utilities, (2) the former gasoline UST excavation limits, (3) the location of the former product line trench between the UST excavation and the former fuel island, and (4) potentially a previously unidentified excavation or tank.

On December 15, 1994, BAI personnel collected groundwater samples from five domestic wells in the vicinity of the site. The analytical test results of groundwater samples collected from the five domestic wells reported non-detectable concentrations of all petroleum hydrocarbons analytes tested. A summary of the analytical test results of the



domestic well survey were presented in the BAI document "Installation of Monitoring Well MW-10 and Groundwater Monitoring Report", dated March 27, 1997.

Eleven groundwater monitoring wells have been constructed at the site. Analytical test results of the groundwater samples collected to date indicated that there was petroleum hydrocarbon impacted groundwater in the vicinity of the former gasoline USTs (wells MW-3 and MW-4), on the southern portion of the site in the vicinity of well MW-7, and near the former dispenser island and product lines (well MW-11). The analytical test results of groundwater samples collected from the four off-site monitoring wells (MW-5, MW-6, MW-8, and MW-10) reported non-detectable concentrations of all analytes tested. The recent analytical results for the domestic wells are summarized in Table 1. A summary of the groundwater monitoring well analytical data and groundwater elevation data are presented in Tables 2 and 3, respectively.

On June 21, 2000, BAI personnel supervised the completion of off-site borings B-31 and B-32 in locations adjacent to the west and south property boundaries (Plate 2). A metal object was encountered in boring B-32a. The boring was abandoned and a second boring (B-32b) was drilled approximately six feet to the southwest. The soil analytical results are summarized in Table 4 and the grab groundwater analytical results are summarized in Table 5. The results of the investigation are presented in BAI's report dated February 7, 2001. The area near to boring B-31 was excavated on September 17, 2003. Several large concrete blocks were excavated and removed, and the excavation was backfilled. No soil samples were collected and no petroleum hydrocarbon odors were detected.

Groundwater monitoring well MW-11 was abandoned on September 30, 2002 in preparation for excavation. On September 16 and 17, 2003, contaminated soil was excavated and loaded directly into trucks. The soil was excavated essentially in three phases. The area west of the former dispensers was excavated, then partially backfilled to assure structural integrity of the canopy. The area east of the former dispensers was then excavated and partially backfilled. The area northwest of the canopy was excavated next and continued until the backfill material for the UST excavation was encountered. Soil adjacent to the canopy was excavated to a depth of approximately 6 feet below ground surface (bgs). Soil between the canopy area and the former UST excavation was excavated to a depth of approximately 8 feet bgs. The area of excavation is shown on Plate 3.

Soil samples were collected during the excavation and screened with a Photoionization Detector (PID). Selected soil samples were submitted to an onsite mobile laboratory for analysis, to assist in evaluating when excavation in that direction should be terminated. Soil samples were collected from the final excavation limits and were analyzed at a later date. The analytical data for the excavation soil samples are summarized in Table 6. The results of the soil remediation were presented in BAI's "Soil Excavation Report," dated December 22, 2003.



2.0 SENSITIVE RECEPTOR SURVEY

A sensitive receptor survey was performed by BAI that included identification of petroleum vapor receptors (basements, vaults, etc) with 250 feet, groundwater plume receptors (wells and surface water bodies) within 1,000 feet, and municipal wells within 1 mile of the former USTs. A door-to-door survey was performed to identify the vapor receptors and groundwater plume receptors. Well driller's reports were obtained from the Department of Water Resources (DWR) for wells within one mile of the former USTs.

A door-to-door survey was conducted on March 9, 2005 to locate vapor receptors within a 250-foot radius and water supply wells within a 1,000-foot radius of the former USTs. BAI personnel contacted the residents who were home during the door-to-door survey. At properties where residents were not home, a letter was left, requesting that they contact BAI either by telephone or mail to indicate whether they had a domestic well on their property. A copy of the letter that was left at the nearby residences is included in Appendix A. Although BAI has not received response from all of the questionnaire letters, there are currently 42 known domestic wells within 1,000 feet of the former USTs (Plate 4).

BAI also contacted the DWR to request copies of well driller's reports for wells within one mile of the site. Appendix B contains the well driller's reports obtained from the DWR. Twenty-one of the wells identified in the DWR search were within 1,000 feet of the site. Forty-seven of the wells were identified within one mile of the site. These well locations are identified on Plate 4.

Based on the door-to-door survey, there are no potential vapor receptors within 250 feet of the former UST location. Four structures were identified within 250 feet of the former UST locations. All of the structures were of post-on-pier, or slab-on-grade construction. Because of the high water table in the area, it is unlikely that any structure in the vicinity of the site would have a basement. The closest surface water body is a small (presumably ephemeral) creek located adjacent to the site on the west that flows to the north towards Blucher Creek. Blucher Creek is approximately 1,400 feet west of the site at its nearest point, flows to the north and northeast, and discharges into the Laguna de Santa Rosa approximately 0.5 miles north of the site (Plate 4). At the time of the survey, Blucher Creek appeared to have water flowing in its channel. The Laguna de Santa Rosa is approximately 1,600 feet east of the site. No other lakes, ponds, or other surface water bodies were identified during this investigation.

On March 11, 2005, BAI contacted the City of Sebastopol and the Sonoma County Water Agency (SCWA) for information regarding municipal wells in the area. Mr. Bill Waters of the SCWA stated that their water production well closest to the site is located near the intersection of Highway 12 and Llano Road, east of Sebastopol, California, approximately 3 miles north of the site. According to Mr. Rich Emig of the City of Sebastopol Public



Work Department, the nearest City of Sebastopol production well is located near the intersection of Highway 116 and Cooper Road, approximately two miles north of the site.

3.0 SOIL BORINGS

3.1 Soil Boring Locations

In order to investigate the contamination reported in the soil and groundwater samples collected from well MW-7, BAI drilled three soil borings surrounding well MW-7 at the locations shown on Plate 2. Boring locations were selected to further delineate the lateral extent of petroleum hydrocarbon contamination in soil and groundwater in the vicinity of well MW-7.

3.2 Drilling Methods and Soil Sampling

A drilling permit was obtained from the SCDHS-EHD, and Underground Service Alert was notified at least 48 hours prior to commencing drilling operations. Clear Heart Drilling of Santa Rosa, California, a C-57 licensed drilling contractor with a drill rig equipped with solid-stem augers, was retained to drill the borings. The borings were logged by a BAI geologist according to the Unified Soil Classification System (Appendix C).

The drilling activities consisted of advancing three soil borings for the collection of soil and groundwater samples to define the extent of soil and groundwater contamination in the vicinity of the well MW-7 (Plate 2). Soil samples were collected at 5 feet bgs and 10 feet bgs from each boring. The soil samples were collected using a split-spoon sampler lined with brass tubes. The sample drives were screened in the field for total volatile organic compounds using a PID. Two soil samples from each of the borings were retained for laboratory analysis. The soil samples were sealed with plastic caps, labeled, and stored in a cooled ice chest pending delivery to a California-certified laboratory. A chain-of-custody form was completed and transported to the laboratory with the samples. The samples were delivered to the analytical laboratory such that sample preservation could be completed within 48 hours of collection, as required by EPA 5035 protocol. Two soil samples from each boring were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers. The soil boring logs are contained in Appendix C.

The borings were backfilled using cement/bentonite grout after all sampling activities were complete. Drilling equipment was steam cleaned prior to drilling and the sampling equipment was cleaned prior to use with a laboratory detergent followed by a deionized water rinse. The soil and water generated during drilling was placed in labeled 55-gallon drums and left onsite.



3.3 Groundwater Sampling from Borings

Groundwater samples were collected from the borings by placing a clean temporary well casing in each boring. The temporary wells were sampled by lowering a clean, factory-sealed bailer into the well casing, then transferring the water to laboratory-supplied containers. The samples were sealed, labeled, and stored in a cooled ice chest until delivery to a California-certified laboratory for analyses. The groundwater samples were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers.

4.0 SOIL EXCAVATION

To investigate the anomaly reported by NORCAL, the area near boring B-19 (Plate 2) was excavated on February 7, 2005. Prior to excavating, the proposed excavation area was marked, and Underground Service Alert was notified at least 48 hours prior to commencing excavation. The concrete covering the area to be excavated was broken, excavated and removed. The removed concrete was loaded into trucks and hauled to a recycling plant.

Soil was excavated to a depth of approximately 5 feet bgs. No UST or other object was observed in the excavation, and all of the soil excavated appeared to be undisturbed, native soil. Approximately 10 cubic yards of soil were excavated, and stockpiled onsite. Stockpiled soil was placed on, and covered with plastic sheeting. The area excavated is shown on Plate 5.

4.1 Soil Sampling

Soil samples SW-1 through SW-4 were collected from the excavation sidewalls, soil sample B-1 was collected from the excavation bottom, and soil samples SP-1 through SP-4 were collected from the soil stockpile. Soil samples were collected in brass sample tubes from soil contained in the backhoe bucket. The sample tubes were capped with Teflon sheets and plastic end caps. The sample tubes were then labeled and stored in a chilled cooler for transport to the laboratory. Appropriate chain-of-custody documentation accompanied the samples from the field to the laboratory.

4.2 Water Sampling

No groundwater entered the excavation during the time that it was left open. Therefore, no groundwater samples were collected from the excavation.



4.3 Loading, Transportation and Disposal Procedures

On April 28, 2005, the stockpiled soil was loaded into trucks and transported to Redwood Landfill in Novato, California with appropriate waste manifests for the type of material being transported. Trucks and drivers were properly licensed to transport the type of waste being hauled. Disposal procedures were dictated by the receiving facility at the time of disposal. Approximately 10 cubic yard (13.5 tons) of soil were transported to Redwood Landfill for disposal. The Redwood Landfill manifest is included in Appendix D.

4.4 Excavation Backfilling

Following collection of the soil samples, the excavation was backfilled with clean imported fill material. The excavation was filled with 1 to 2 foot lifts. Each lift was emplaced and compacted prior to the subsequent lift being emplaced. The finished backfill was left approximately 4-inches below grade in order to accommodate replacement of the concrete. Concrete replacement was performed by Lemos Concrete Construction, Inc. of Santa Rosa, California, on March 16, 2005.

5.0 ANALYTICAL RESULTS

5.1 Soil Borings Soil Analysis

The soil samples collected from soil borings B-33, B-34, and B-35 were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers. In the sample collected from boring B-33 at 5 feet bgs, TPH as gasoline was reported at a concentration of 250 mg/kg, and xylenes were reported at a concentration of 716 micrograms per kilogram (μ g/kg). All other analytes in the other samples were below their respective reporting limits. The soil sample analytical results are summarized in Table 4. The completed analytical laboratory report is included in Appendix E.

5.2 Soil Boring Grab-Groundwater Analysis

In the grab-groundwater sample collected from boring B-33, TPH as gasoline was reported at a concentration of 1.7 mg/l, ethylbenzene was reported at a concentration of 46.1 micrograms per liter (μ g/l), and xylenes were reported at a concentration of 193 μ g/l. In the sample collected from boring B-34, TPH as gasoline was reported at a concentration of 4.2 mg/l, and ethylbenzene was reported at a concentration of 48.9 μ g/l. In the sample collected from boring B-35, TPH as gasoline was reported at a concentration of 1.0 mg/l, and ethylbenzene was reported at a concentration of 49.7 μ g/l. Groundwater sample analytical results are summarized in Table 5. The complete analytical laboratory report is contained in Appendix E.



5.3 Excavation Soil Analysis

One bottom soil sample, four sidewall soil samples, and one composite stockpile sample were analyzed. The sample locations are shown on Plate 5. The samples were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers.

In sidewall soil sample SW-1, toluene was reported at a concentration of 9.04 $\mu g/kg$, and xylenes were reported at a concentration of 16.4 $\mu g/kg$. In sidewall soil sample SW-2, toluene was reported at a concentration of 21.1 $\mu g/kg$, and xylenes were reported at a concentration of 8.32 $\mu g/kg$. In sidewall soil sample SW-3, toluene was reported at a concentration of 8.39 $\mu g/kg$. In sidewall soil sample SW-4, TPH as gasoline was reported at a concentration of 1.4 mg/kg, and xylenes were reported at a concentration of 5.93 $\mu g/kg$.

In the bottom sample, all analytes were reported as below their respective reporting limits. In the stockpile sample, TPH as gasoline was reported at a concentration of 1.2 mg/kg, toluene was reported at a concentration of 5.00 μ g/kg, and xylenes were reported at a concentration of 14.8 μ g/kg. The laboratory report, including quality assurance/quality control data, is presented in Appendix E, and soil sample analytical data are summarized in Table 7.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Excavation in the vicinity of the previously reported NORCAL geophysical anomaly did not identify another UST or any other buried object. The excavation appeared to be in undisturbed native soil. Low concentrations of petroleum hydrocarbons were reported in the sidewall soil samples, however, the sample collected from the bottom of the excavation reported all analytes as below their respective method reporting limits. Therefore, BAI recommends no further investigation in this area.

BAI reviewed site photographs from the 1940's and Caltrans maps of the area, and concluded that the pump island for the previous service station was located at the approximate location of well MW-7. The soil sample collected from the boring for well MW-7 (3 feet bgs) contained 330 mg/kg of TPH as gasoline, 26 µg/kg of ethylbenzene, and 110 µg/kg of xylenes. Also reported in the 3-foot bgs sample was 1,100 mg/kg of motor oil and 1,000 mg/kg of diesel range hydrocarbons that did not match the diesel standard. However, analysis of soil samples collected from soil borings B-32b, B-33, B-34, and B-35 reported all analytes below their respective method reporting limits, with the excavation of the shallow soil sample from boring B-33. The 5-foot soil sample from boring B-33 reportedly contained TPH as gasoline at 250 mg/kg. The grab groundwater samples collected from borings B-34, and B-35 contained petroleum hydrocarbon concentrations similar to those reported in the groundwater samples collected from well



MW-7 in 2004 (Tables 2 and 5). These data suggest that any residual contamination is the near the ground surface, and is likely localized in the vicinity of well MW-7.

The sensitive receptor survey identified 42 domestic supply wells within 1,000 feet of the site, and 4 structures within 250 feet of the site. Six of the domestic wells have been sampled (Table 1). No petroleum hydrocarbon constituents have been reported in the samples collected from those wells. BAI recommends continued monitoring of those wells.



7.0 DISTRIBUTION

Mr. John Lander Lander's Automotive 3610 Gravenstein Highway South Sebastopol, California 95472 1 Copy

1 Copy

Ms. Darcy Bering Sonoma County Department of Health Services Environmental Health Division 475 Aviation Boulevard, Suite 220 Santa Rosa, California 95403



TABLES



Table 1. Domestic Well Analytical Data Starting in 2002

3610 Gravenstien Highway South Sebastopol, California

		TPH as			Ethyl- benzene	Total Xylenes	MTBE EPA Method 8260B*
Well	Date	Gasoline	Benzene	Toluene		Aylenes (μg/l)	(μg/l)
Number	Sampled	(mg/l)	(μg/l)	(μg/l) <0.5	(μg/l) <0.5	(μg/1) <0.5	<1.0
DW-3598	4/25/2002	<0.05	<0.5	<0.5 <0.5	<0.5	<0.5	<1.0
DW-3610	4/25/2002	<0.05	<0.5	<0.5 <0.5	<0.5	<0.5	<1.0
DW-3617	4/25/2002	<0.05	<0.5		<0.5	<0.5	<1.0
DW-3625	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	4/25/2002	<0.05	<0,5	<0.5			
DW-3598	7/25/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	7/25/2003	< 0.05	<0.5	< 0.5	<0.5	<0.5	<1.0
DW-3617	7/25/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	7/25/2003	< 0.05	<0.5	<0.5	< 0.5	<0.5	<1.0
DW-5221	7/25/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	10/21/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	10/21/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	10/21/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	10/21/2003	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3610	12/18/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	<0.50
DW-3617	12/18/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	<0.50
DW-3625	12/18/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	< 0.50
DW-5221	12/18/2003	< 0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3598	4/8/2004	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	4/7/2004	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	4/7/2004	< 0.05	<0.5	<0.5	<0.5	< 0.5	<1.0
DW-3625	4/8/2004	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3627	4/8/2004	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	4/8/2004	< 0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3610	7/21/2004	< 0.050	< 0.50	<0.50	< 0.50	< 0.50	<1.0
DW-3617	7/21/2004	< 0.050	<0.50	< 0.50	<0.50	< 0.50	<1.0
DW-3625	7/21/2004	< 0.050	< 0.50	< 0.50	<0.50	< 0.50	<1.0
DW-5221	7/21/2004	< 0.050	<0.50	<0.50	<0.50	< 0.50	<1.0



Table 1. Domestic Well Analytical Data Starting in 2002

3610 Gravenstien Highway South Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE EPA Method 8260B* (μg/l)
DW-3598	10/28/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	<1.0
DW-3610	10/28/2004	< 0.050	< 0.50	<0.50	< 0.50	< 0.50	<1.0
DW-3617	10/28/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	<1.0
DW-3625	10/28/2004	< 0.050	<0.50	< 0.50	< 0.50	< 0.50	<1.0
DW-3627	10/28/2004	< 0.050	<0.50	< 0.50	< 0.50	< 0.50	<1.0
DW-5027 DW-5221	10/28/2004	<0.050	<0.50	<0.50	<0.50	< 0.50	<1.0

mg/l = milligrams per liter

μg/l = micrograms per liter

TPH = total petroleum hydrocarbons

MTBE = methyl tert-butyl ether

*analyzed for petroleum oxygenates and lead scavengers; none detected.

< not detected above specified reporting limit

Sample Locations

DW-3598 =3598 Gravenstein Highway

DW-3610 =3610 Gravenstein Highway (site)

DW-3617 =3617 Mt. Vernon Road

DW-3625 = 3625 Gravenstein Highway

DW-3627 =3627 Gravenstein Highway

DW-5221 =5221 Lone Pine Road



	_																								-		П						******
MTBE *	(EPA 8260)	(l ₁ g/l)	na	na	na		S	Ð	B	<0.50	<1.0	<1.0	<1.0	c c	na	na	na	na n			§ §		S S	S.D.	VI.0	0.12	0.12	na	na	na	na	na	2
VOCs	(EPA 8010)	(I/Bil)	na	na	na	na	na	na	na	na	na	na	na		S	na	113	200	מוני	Ita	na	ga	na	na	na	na	na	na	0.9 (PCE)	0.7 (PCE)	QN	R	
MTBE	(EPA 8020)	(l/git)	na	na	na	na	na	na	na	na	na	na	na		na	80			25	Па	na	na	na	na	па	na	na	na	เกล	QN	S	QN.	
Total	Xylenes	(Lgd/I)	B	ΩN	<u>N</u>	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		3 2	3 5	A E	S E	AN S	Q20	<0.50	Q.50	<0.50	<0.50	<0.50	<0.50 -20	<0.50	2.8	S	B	R	2.2	
Ethvl-	benzene	(µg/l)	<u>N</u>	N R	R	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			GY.		2	S	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	£	Q.	S	R	1.7	
	Toluene	(L/g/I)	EN S	B	S	0.50	0.50	0.50	0 <u>2</u> 6	<0.30	<0.50	Q 02 0	<0.50			Ž,	5.1	S.	ND	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	Ð	E	8	B	B	
	Renzene	(ug/l)	10	R	B	4.06	0. T.	S. 6	5.50	08.02	0.53	05.0	. 05.05 . 05.05		44	QN ;	1.5	Q.	2	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	24	3.6	1.7	E	E	
Pag Inc	Croseo	(mg/l)	na	na	eu	Eu.	5 0	118	זומ	Ila	בנו	200	na na		QN	2	na	na	na	na	na	na	กล	na	na	na	na	t c		1 2	er er	en en	717
11011	Africa de	(I/om)	E EU	en	1 5	2 6	7 TE	Ila Ila	II d	I I I	יומ	110	าเล	217	па	QN	ND	na	กล	na	na	na	na	na	na	na	na	4	E C		3 5	3 5	אוני
1100		Diesel	/#/B/m/	e c	E E	בבי היים בי	זומ	na	na	na	E S	זומ	na	ııa	0.92	S	CZ	R	ΩN	na	na	na	na	na	na	na	ла		וומ	3 2	3 5	(A) 20 0	V.40 15%
	TrH as	Casoline (mo(l)	NEW CEN	GN CEN		020 0	00.00	050.05	0.050	050.0>	0.000	00000	UCU.U>	CO.0>	0.35	B	Ð	Q.	2	<0.050	<0.050	0.090	<0.050	<0.050	<0.050	<0.050	<u> </u>	\prod					17*A
			Sampled 4 / 6 / 1002	1001/11/001	12/14/1994	1,716/1990	7007/27/4	4/23/2003	7/25/2003	10/21/2003	12/15/2003	4/8/2004	7/21/2004 19/20/2004	110/28/2004	4/6/1993	12/14/1994	12/18/1996	5/16/1997	11/3/1997	4/24/2002	4/23/2003	7/25/2003	10/21/2003	12/16/2003	4/8/2004	7/20/2004	10/28/2004	1 1/2/11/000	4/6/1993	12/14/1994	12/11/1990	2/ Ib/ 199/	11/5/139/
	1	Well	Number	MIVV-1	I-MINI	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	1, W. 7	MW-2	NTM-2	C_WTM	NAW.2	MW-2		MW-3	MW-3	MW-5	MW-5	MV-3



									r		1		11	1	- 1	- 1						Ι		_	T					-т	Т			Т		
MTBE *	(EPA 8260)	(µg/l)	Ð.	QN	QN.	B	ND(D)	QN	<0.50	<1.0	<10	7.0	OTS.	na	กล	па	na	na	na	S	R	S		e C		ON OF O	<0.50 (E)	<1.0	<1.0	4.0		Ва	na	na	ກສ	
VOCs	(EPA 8010)	(l/gµ)	เกล	na	na	na	na	na	na	art art	200	IIA	na	na	0.9 (1,1,-DCA)	S	QZ QZ	S	na	na	na		MIT CC	all	Ila	na	na	na	na	na		na	na	na	na	
MTBE	(EPA 8020)	(l/gn)	na	na	na	na	na	na	800	110	Ila	na	na	na	กล	B	QN ON	2	na	na	na	200	ali	na	na	na	na	na	na	na		na	na	B	R	
Total	Xylenes	(L/grl)	R	S	<0.50	<0.50	<0.50	25.07	020	00.00	05.05	05.0>	<0.50	55	17	£	£	9.9	E	19	2.6	7 C	00.00	0.5	0.700	0.50	<0.50	<0.50	<0.50	<0.50		8	R	2	£	
Ethyl-	benzene	(l/gn)	1.1	2	<0.50	<0.50	05.02	2000	VV	05.05	Ω:Ω>	<0.50	<0.50	46	13	R	8	1	E C	7	7 1 7	Le./	Ως:Ω>	0.50	0.530	0.50	<0.50	<0.50	1.54	<0.50		R	2	R	R	
	Toluene	(I/an)	Ę	E C	20 N	S 2	25.5	S.02	00.0>	05.05	S:.5	<0.50	<0.50	5.0	5.1	2	£	R A		100	7	/"7	Q;?Q	\$0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50		2	R	8	E	
	Renzene	(110/1)	1 4	E	10 m	7.7	#.JO	0.740	05.0>	3.9	1.79	<0.50	<0.50	17	35	E E	E	101	3 5	3 -	0.1	7.0	2.38	Q.50	<0.50	<0.50	<0.30	1.00	<0.50	05.0>		R	B	GE C	5	, , , , , , , , , , , , , , , , , , ,
Oil and	Croses	(ma/l)	(10 F)	21.0	110	pi (มเล	na	กล	na	na	na	na	en.		E	2 2	710	Ila	Ila	na	na	na	na	na	na	na	na	na	eu.	7117	na	na	eu.	- CF	119
Tron se	Motor Oil	INDION OU	(IIIII)	II c	Ila	กล	na	na	na	na	na	na	na	t t		S	3 5	ıla	an (JN	na	na	na	na	na	na	na	na	na	5	710	na	E	64	W17	11g
TOUL OF	Irn as	Dieser	(IIIg/II)	na	na	na	na	na	าล	na	na	na	na	ç	11a	(x) 77.0		31.0	0.53 (A)	S	na	na	na	na	na	na	na	l au	na	3	114	na	E		3 5	
TLEAT	Irm as	Casoline	(II/Bull)	0.28		ND SE	<0.050	0.16	<0.050	<0.050	<0.050	<0.050	<0.05	9.0	0.0) (T)		ONI				0.59	<0.050	<0.050	0.28	<0.050	<u> </u>	L	11 C	1	CO.U>	CIN			_	N N
	,	Date	Sampled	661/7/6	12/17/1999	4/24/2002	4/23/2003	7/25/2003	10/21/2003	12/15/2003	4/8/2004	7/20/2004	10/28/2004	4 // /4002	4/0/1993	12/14/1994	17/1/1990	2/10/199/	11/3/1997	11/11/1998	9/2/1999	12/17/1999	4/25/2002	4/23/2003	7/25/2003	10/21/2003	12/15/2003	4/8/2004	7/21/2004	10,00,0004	110/28/2004	12/14/1994	70/1/4/1006	E /16 /1007	7661/01/5	111/3/1997
		Well	Number	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	7 44 55	MW-4	MIW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MTW.4	MW.4	NATA!_A	N GTAT A	1VI VV-4	MW-4	אווען	LATAT E	C-AATAT	C-MM	MW-5



				- 1	т			·····		- 	1	1		 T		T	 -	-		T	Γ-	T	T					****		T	_
MTBE *	(EPA 8260)	(µg/l)	Ð	B	Ð	B	<0.50	<1.0	<1.0	<1.0	na	na	DN DN	<u>Q</u>	2	B	<0.50 (F)	<1.0	<1.0	<1.0	na	60	MIT I	IIa	na	na	8	S S	QQ	2	ON
VOCs	(EPA 8010)	(l/Brl)	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	Æ		זומ	na	na	na	na	na	na	an	na
MTBE	(EPA 8020)	(l/grl)	na	na	na	กล	na	na	na	na	na	na	na	na	na	na	na	na	na	na	22		ıla		QN	na	na	na	na	na	na
Total	Xylenes	(l/grl)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	R	R	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1 200	2000	0/6	77	320	790	480	570	1.91	2.98	115
Ethyl-	benzene	(L/gn)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	QN.	N	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	400	720	360	34	150	300	190	310	18.9	89.9	50.2
	Toluene	(I/2n)	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	G	B	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	95	1.7	20	6.0	8.8	16	п	13	<0.50	<0.50	22.3
	Benzene	(l/an)	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	CEN	S	0.50	<0.50	<0.50	0.50	<0.30	<0.50	<0.50	0.50	1	C7	Q N	1.3	13	4.9	4.2	8.7	<0.50	<0.50	<10
Oil and		(II/am)	na	na	na	na	na	na Pra	na	na	ert	eu	E11	na	na	na	na	na	па	na	*	CT	na	าเล	กล	na	na	na	na	na	na
TPH as	Motor Oil	(mg/l)	na	па	na	eu eu	2 2	2 2	na	na	6.1	E C	200	200	na	na	na	na	na	na		N N		na	na	Ð	กล	na	na	na	na
TPH as	Diecel	(mo/l)	T L	er er	t et	eu .	The second	2 C	na eu	na	Š		, c	ากล	nu.	na	E C	na	n en	na		4.8 (A)	6.3 (A)	3.3 (A)	4.6 (A)	B	па	na	na	L	na
ТРН эс	Cacolina	(ma/l)	050	050.05	70.050	70.050	050.02	0.000	0.020 Ø 050	<0.05	Ę2		3 5	25.0	<0.050	00020	<0.050	<0.050	20 020 050 050		∐		7.4	2.9	5.3					0.13	0.87
	Data	Samulad	4 /2E /2002	4/23/2003	7/75/2003	10/21/2003	10/21/2002	7 / 8 / 2007	7/20/2004	10/28/2004	12/14/1004	12/14/17/	4 /24 /2002	4/24/2002	7/25/2003	10/21/2003	12/16/2003	4/8/2004	7/21/2004	10/28/2004	100 /00	12/14/1994	12/18/1996	5/16/1997	11/3/1997	11/11/1998	9/2/1999	12/17/1999	4/24/2002	4 /23 /2003	7/25/2003
	147.211	Number	NATAT E	C-AATAI	ACTAT E	C-VAIVI	C-VVIVI	C-VATAL	NTW-5	MW-5	7 577 (0- MATA	D-AATAL	0-441VI	NATA!_6	MW-6	N/TWL-6	MW-6	NATA! 6	MW-6		MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MTW-7	MAN-7	MW-7



		- r									—	· T	T	T	Т	-		T		T	1	T	_		Т.		_	T	- }		1		_	
MTBE *	(EPA 8260)	(l/Bil)	Q	25	<5.0	41.0	<1.0	na	na	na	na	呂	1.24	8	Q	B	<50	41.0	<1.0	<1.0	4	716	IIS	na		ON!		8	<1.0	<0.50	<1.0	<1.0	<1.0	
VOCs	(EPA 8010)	(µg/I)	na	na	na	na	na	na	na	S	na	na	na	na	na	па	na	na	na	na		Q C	ns	าเล	na	na	na	na	na	na	na	na	na	
MTBE	(EPA 8020)	(I/Bil)	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	CIA	NO	ns	PQ	na	na	na	na	na	na	na	na	na	
Total	Xylenes	(l/gn)	101	26	32.0	141	28.8	Q.	<u>R</u>	Ð.	<u>R</u>	na	<0.50	<0.50	<0.50	<0.50	20	~ 2 0	<50	<50		ON N	ns	R	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Ethyl-	benzene	(I/gn)	141	120	28.6	200	170	PS PS	QN	S.	R	na	<0.50	<0.50	<0.50	<0.50	20	<50	<50	<50		ON	ns	B	B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	Toluene	(µg/1)	<5.0	<15	<2.5	4.23	<0.50	- QN	Ð	NO ON	N N	na	<0.50	<0.50	△0.50	<0.50	<30	<0.50	<0.50	<0.50		Q.	ns	B	B	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	
	Benzene	(l/grl)	€5.0	<15	2.5	1.55	1.92	Q.	ND	QN	QN	па	<0.50	<0.50	<0.50	<0.50	89	<0.50	<0.50	<0.50		2	SIT	R	B	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	0.50	0.50	A.
Oil and	Grease	(mg/l)	na	na	na	na	na	na	na	ΩN	na	na	na	па	na	na	na	na	na	na		na	us	na	na	na	na	na	na	na	T Pa	2 2	na	, v.v.
TPH as	Motor Oil	(mg/l)	na	na	na	Па	na	er er	QN.	Ę	E	er.	na	na	na	na	na	na	TIA	na		B	su	na	na	na	na	na	na	na na	na na	r c	er er	717
TPH as	Diesel	(II/am)	na	na	na	na	na	13	E S	E		, t	na	na	eu.	na	na	- u	# E	na	·	2	su	B	na	na	na	na	na	<u> </u>	eu.	200	าาล	गास
TPH as	Gasoline	(III o/I)	20,	4.4	0.78	2.3	1.8	Ę	2	Ę		ביים ביים	<0.050	<0.050	050 050	<0.050	0.50	0.050	<0.050		41	ΩN	su	B	8	<0.050	<0.050	<0.050	<u> </u>		┷	020.07		
	Dafe	Sampled	10/21/2003	12/15/2003	4/8/2004	7/20/2004	10/28/2004	19/15/1004	12/18/1996	19/14/1994	12/18/1996	7 /24 /2001	4/24/2007	4/23/2003	7/25/2003	10/21/2003	12/16/2003	4 /8 /2004	7/21/2004	10/28/2004	202 /02 /04	12/17/1996	5/16/1997	11/3/1997	12/17/1999	4/25/2002	4/23/2003	7/25/2003	10/21/2003	12/16/2003	4 /7 /2004	7/71/2003	10 /28 /2004	TO/ 40/ 400
	Well	Number	AATA7.77	MW-7	MW.7	MW/_7	MW-7	NATAT Q	MW-8	NATA O	7-14TA	1V1VV=7	MTW-9	NTW-9	NATAL O	MW-9	MTW-9	NATA! Q	1V1V-9	MW-9		MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	NATA/_10	AATAZ-10	TATA! 10	NATAT 10	1M1 VV - 1U	IVIVY-10

Table 2. Groundwater Anlaytical Data Starting in 1993

3610 Gravenstein Highway South

Sebastopol, California

										The Agreement and	200	MTPRE *
		TPE ac	TPH 9c	TPH 38	Oil and			Ethyl-	Lotal	WI I BE	300	MEADE
		TTTTTT	A. I. I. 450					•		0000	(0) to 4 min	COSCO VOID
Woll	Date	Casoline	Diesel	Motor Oil	Grease	Benzene	Toluene	benzene	Xylenes	(EFA 8020)	(EFA SULU)	(EVE A 040U)
	יים היים היים היים היים היים היים היים		() Sura	(ma)		(IIa/II)	(119/1)	(((////////////////////////////////////	(112/1)	(l/Bn)	(l/gnl)	(µg/l)
Number	Sampled	(mg/1)	(1/8 m)	(mg/r)	7,5,	7 9 7					é	
A 4137 111	11/11/1008		CIN	S	na	77	21	8:4	35	na	(P)	Na -
17. W. W. L. J.	11/11/17/0										1	S) CIN
N/W/ 11	0/2/1000	34	E E	22	na	7.900	7,400	1,600	5,500	na	บส	(2) ax
IVI W - I I	21411777	5	DIT									
3.4TW_11	12/17/1999	7.4	LI S	na	na	2,100	88	œ	1,500	na	25	2) au
T T AA TAT	144111111								, ,		{	
MW.11	4/24/2002	0.88	na	na	na	340	2.5	32.5	97.79	na	na	(A) (M)
T T _ AA TAT	112000	22.0										

1993 data collected by Trans Tech Consultants and included in their report dated May 24, 1993.

ND = Not detected at the method reporting limit.

< = Not detected above specified reporting limit.

ns = Well not sampled due to inaccessability.

na = Not analyzed.

mg/l = milligrams per liter.

μg/l = micrograms per liter.

MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, 1,1-DCA = 1,1-dichloroethane.

(A) = Chromatographic peak array does not match commercial diesel standard; probable source is weathered gasoline.

(B) = 1,2-dibromoethane at 2.26 μ g/l and 1,2-dichloroethane at 9.65 μ g/l reported in sample.

(C) = 1,2-dichloroethane reported at 311 μ g/l for 9/2/99, 116 μ g/l for 12/17/99, and 12.5 μ g/l for 4/24/02.

(D) = 1,2-dichloroethane reported at 1.22 μ g/l.

(E) = tert-butyl alcohol reported at 13 μ g/l.

(F) = 1,4-dichlorobenzene reported at 3.2 μ g/l.

* Analyzed for petroleum oxygenates and lead scavengers by EPA Test Method 8260; only those detected are listed.



3610 Gravenstein Highway South Sebastopol, California

		Elevation at	Depth to	Groundwater	Predominant
Well	Date	Top of Casing	Groundwater	Elevation	Groundwater Flow
Number	Measured	(feet above MSL)	(feet BTOC)	(feet above MSL)	Direction
MW-1	12/14/1994	87.60	1.25	86.35	
MW-2	12/14/1994	88.33	2.25	86.08	
MW-3	12/14/1994	87.92	1.30	86.62	
MW-4	12/14/1994	87.70	1.29	86.41	North
MW-5	12/14/1994	86.91	2.31	84.60	to
MW-6	12/14/1994	86.63	0.58	86.05	Northwest
MW-7	12/14/1994	89.36	1.54	87.82	
MW-8	12/14/1994	88.74	1.02	87.72	
MW-9	12/14/1994	88.52	1.61	86.91	
			0.83	86.77	
MW-1	12/17/1996	87.60	1.68	86.65	-
MW-2	12/17/1996	88.33	0.78	87.14	
MW-3	12/17/1996	87.92	1.53	86.17	Northwest
MW-4	12/17/1996	87.70	2.47	84.44	1 MOLITIMES!
MW-5	12/17/1996	86.91	0.78	85.85	
MW-6	12/18/1996	86.63	1.03	88.33	-
MW-7	12/17/1996	89.36	0.89	87.85	-
MW-8	12/17/1996	88.74	2.33	86.19	-
MW-9	12/17/1996	88.52	-0.03	86.38	
MW-10	12/17/1996	86.35	-0.03	1 00.30	
MW-1	5/16/1997	87.60	2.17	85.43	
MW-2	5/16/1997	88.33	3.37	84.96	
MW-3	5/16/1997	87.92	2.13	85.79	
MW-4	5/16/1997	87. <i>7</i> 0	2.10	85.60	North
MW-5	5/16/1997	86.91	3.33	83.58	to
MW-6	5/16/1997	86.63	na	na	Northwest
MW-7	5/16/1997	89.36	2.06	87.30	
MW-8	5/16/1997	88.74	1.78	86.96	_
MW-9	5/16/1997	88.52	1.71	86.81	_
MW-10	5/16/1997	86.35	1.39	84.96	
MW-1	11/3/1997	87.60	5.12	82.48	
MW-2	11/3/1997	88.33	5.41	82.92	
MW-3	11/3/1997	87.92	5.12	82.80	*****
MW-4	11/3/1997	87.70	5.08	82.62	North
MW-5	11/3/1997	86.91	5.08	81.83	
MW-6	11/3/1997	86.63	na	na	
MW-7	11/3/1997	89.36	5.49	83.87	
MW-8	11/3/1997	88.74	5.11	83.63	
MW-9	11/3/1997	88.52	4.99	83.53	
MW-10	11/3/1997	86.35	4.23	82.12	



3610 Gravenstein Highway South Sebastopol, California

		Elevation at	Depth to	Groundwater	Predominant
Well	Date	Top of Casing	Groundwater	Elevation	Groundwater Flow
Number	Measured	(feet above MSL)	(feet BTOC)	(feet above MSL)	Direction
MW-1	11/10/1998	87.60	3.47	84.13	
MW-2	11/10/1998	88.33	3.84	84.49	
MW-3	11/10/1998	87.92	3.55	84.37	
MW-4	11/10/1998	87.70	3.53	84.17	North
MW-5	11/10/1998	86.91	3.87	83.04	
MW-6	11/10/1998	86.63	2.74	na	
MW-7	11/10/1998	89.36	4.18	85.18	
MW-9	11/10/1998	88.74	4.04	84.70	
MW-10	11/10/1998	88.52	3.75	84.77	
		07.70	4.61	82.99	
MW-1	9/2/1999	87.60	4.61 4.98	83.35	-
MW-2	9/2/1999	88.33	4.98 4.70	83.22	
MW-3	9/2/1999	87.92	4.73	82.97	Northwest
MW-4	9/2/1999	87.70	4.97	81.94	NOITHWEST
MW-5	9/2/1999	86.91	4.35	82.28	+
MW-6	9/2/1999	86.63	4.63	84.73	
MW-7	9/2/1999	89.36	5.43	83.31	
MW-9	9/2/1999	88.74		na	-
MW-10	9/2/1999	88.52	3.75	ns	
MW-11	9/2/1999	l ns	3./3		
MW-1	12/17/1999	87.60	3.27	84.33	_
MW-2	12/17/1999	88.33	3.64	84.69	
MW-3	12/17/1999	87.92	3.37	84.55	
MW-4	12/17/1999	87.70	3.36	84.34	North
MW-5	12/17/1999	86.91	3.93	82.98	_
MW-6	12/17/1999	86.63	2.77	83.86	-
MW-7	12/17/1999	89.36	4.05	85.31	`
MW-9	12/17/1999	88.74	3.97	84.77	_
MW-10	12/17/1999	88.52	2.31	86.21	
MW-11	12/17/1999	ns	3.57	ns	
MW-1	4/24/2002	87.60	1.04	86.56	
MW-2	4/24/2002	88.33	1.51	86.82	
MW-3	4/24/2002	87.92	0.95	86.97	
MW-4	4/24/2002	87.70	1.15	86.55	North
MW-5	4/24/2002	86.91	2.74	84.17	to
MW-6	4/24/2002	86.63	1.26	85.37	Northwest
MW-7	4/24/2002	89.36	1.34	88.02	
MW-9	4/24/2002	88.74	2.35	86.39	
MW-10	4/24/2002	88.52	0.19	88.33	
MW-11	4/24/2002	ns	0.98	ns	



3610 Gravenstein Highway South Sebastopol, California

Well	Date	Elevation at Top of Casing	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
Number	Measured	(feet above MSL)			Direction
MW-1	4/23/2003	87.60	0.75	86.85	
MW-2	4/23/2003	88.33	0.96	87.37	
MW-3	4/23/2003	87.92	0.71	87.21	*47
MW-4	4/23/2003	87.70	0.86	86.84	West
MW-5	4/23/2003	86.91	2.56	84.35	to
MW-6	4/23/2003	86.63	0.95	85.68	Northwest
MW-7	4/23/2003	89.36	1.06	88.30	
MW-9	4/23/2003	88.74	2.23	86.51	
MW-10 ^A	4/23/2003	88.52	0.00	>88.52	
MW-1	7/25/2003	87.60	4.01	83.59	
MW-2	7/25/2003	88.33	4.31	84.02	
MW-3	7/25/2003	87.92	4.05	83.87	
MW-4	7/25/2003	87.70	4.14	83.56	West
MW-5	7/25/2003	86.91	4.59	82.32	to
MW-6	7/25/2003	86.63	3.84	82.79	East
MW-7	7/25/2003	89.36	3.70	85.66	
MW-9	7/25/2003	88.74	4.65	84.09	-
MW-10	7/25/2003	88.52	3.49	85.03	
MW-1	10/21/2003	87.60	5.82	81.78	
MW-2	10/21/2003	88.33	6.31	82.02	
MW-3	10/21/2003	87.92	6.03	81.89	
MW-4	10/21/2003	87.70	5.99	81.71	West
MW-5	10/21/2003	86.91	5.88	81.03	to
MW-6	10/21/2003	86.63	5.36	81.27	North
MW-7	10/21/2003	89.36	5.75	83.61	
MW-9	10/21/2003	88.74	6.49	82.25	_
MW-10	10/21/2003	88.52	5.16	83.36	
MW-1	12/15/2003	87.60	2.77	84.83	
MW-2	12/16/2003	88.33	3.12	85.21	_
MW-3	12/15/2003	87.92	2.92	85.00	
MW-4	12/15/2003	87.70	2.88	84.82	Northwest ^B
MW-5	12/16/2003	86.91	3.40	83.51	
MW-6	12/16/2003	86.63	1.99	84.64	
MW-7	12/15/2003	89.36	4.70	84.66	
MW-9	12/16/2003	88.74	2.77	85.97	
MW-10	12/16/2003	88.52	1.94	86.58	



3610 Gravenstein Highway South Sebastopol, California

		Elevation at	Depth to	Groundwater Elevation	Predominant Groundwater Flow
Well	Date	Top of Casing	Groundwater		1
Number	Measured	(feet above MSL)	(feet BTOC)	(feet above MSL)	Direction
MW-1	4/7/2004	87.60	0.87	86.73	
MW-2	4/7/2004	88.33	1.37	86.96	
MW-3	4/7/2004	87.92	0.84	87.08	West
MW-4	4/7/2004	87.70	0.96	86.74	to
MW-5	4/7/2004	86.91	2.64	84.27	Northwest
MW-6	4/7/2004	86.63	1.08	85.55	
MW-7	4/7/2004	89.36	1.35	88.01	
MW-9	4/7/2004	88.74	2.30	86.44	
MW-10	4/7/2004	88.52	0.17	88.35	
MW-1	7/20/2004	87.60	4.59	83.01	
MW-2	7/20/2004	88.33	5.07	83.26	
MW-3	7/20/2004	87.92	4.80	83.12	West
MW-4	7/20/2004	87.70	4.78	82.92	to
MW-5	7/20/2004	86.91	4.96	81.95	Northwest
MW-6	7/20/2004	86.63	4.39	82.24	
MW-7	7/20/2004	89.36	4.34	85.02	
MW-9	7/20/2004	88.74	5.31	83.43	
MW-10	7/20/2004	88.52	4.17	84.35	
MW-1	10/28/2004	87.60	5.70	81.90	
MW-2	10/28/2004	88.33	6.10	82.23	
MW-3	10/28/2004	87.92	5.88	82.04	West
MW-4	10/28/2004	87.70	5.71	81.99	to
MW-5	10/28/2004	86.91	5.66	81.25	North
MW-6	10/28/2004	86.63	4.70	81.93	
MW-7	10/28/2004	89.36	6.49	82.87	
MW-9	10/28/2004	88.74	5.85	82.89	
MW-10	10/28/2004	88.52	4.77	83.75	

MSL = Referenced to Mean Sea Level

na = Well not accessible for measurement

BTOC = Below top of casing

ns = Not surveyed

Well MW-8 was abandoned on October 26, 1998 and Well MW-11 was abandoned on June 11, 2002



A=Water in MW-10 at top of casing on 4/23/03

^B =Calculated using data from wells MW-5, MW-6, and MW-10

Table 4. Soil Sample Analytical Data - Soil Borings 3610 Gravenstein Highway South Sebastopol, California

							· · · · · · · · · · · · · · · · · · ·	,						т		1	т		- 1	-1				т	- 1		<u> </u>	T	Т	—		_	
EFA	\$0108 20108	(µg/kg)	กล	na	na	na	na	na	na	na	CIN	na	na	na	กล	eu eu	4		119	na	na	na	na	na	E	8	EZ	257	Ita	na	B	กล	
	MIBE	(µg/kg)	na	na	na	na	na	na	na	na	e tr	חשור	na	na	EC	128		na	Ila	เกล	na	na	na	na	na	na		III	na	na	па	na	
	Xylenes	(µg/kg)	<2.5	<2.5	6.4	<2.5	775	0.5	2.5	2.5	010	7. 5.	2 300	970	n ()	3 5	C. 7	C.72	130	550	<2.5	<2.5	140	<5.0	<5.0	<5.0	\$	71	0.c>	<5.0	110	<5.0	
Ethyl-	penzene	(µg/kg)	2.5	<2.5	<2.5	<2.5	700	200	2 2	2) 5		140	901.	270	376	5.7	C.7>	<2.5	85	180	<2.5	<2.5	120	<5.0	<5.0	0.87		0.€>	<5.0	<5.0	26	<5.0	
	Toluene	(µg/kg)	<2.5	2.5	<2.5	25	25 7	7 2 5	ζ, ζ, π	5 / C		2.5	C:7>	200	007	553	<27.5	<2.5	<2.5	160		<2.5	25	<5.0	<5.0	0 4	O.C.	<5.0	<5.0	<5.0	<5.0	<5.0	
	Benzene	(ug/kg)	0.5	0.5	7 5	7 7	r c	2772	C.72	77	7,400	41,	22.5	310	nor	<2.5	<2.5	<2.5	180	009	<2.5	<2.5	7.5	ار ار ار) r,	2 4	0.00	<5.0	<5.0	<5.0	75.0	2015	?
Oil and	Grease	(me/kg)	200	Set	THE SECOND	Ila	na	na	na	na	na	1,200	na	na	na	na	na	<50	na	na na	r r	103	THE COL	119	IIa /EO		250	80	na	12	1 100	1,100	Ila
TPH as	motor oil	(ma/ko)	/4w /4 m	זומ	Ila	IIIa	กล	na	na	na	na	48	na	na	na	na	na	70	na	na	MIL.	110	Fla	กส	na 40	2	8	36	na	5	110		เกล
TPH as			(IIII) WE	na	na	na	na	กล	na	na	na	39²	na	na	na	na	na	2.12	777	25.5	זומ	IIa	na	na	na	 	120	28	tha	317	11a	1,000	na
TPH as	out train	gasonne	(mg/kg)	√,	7	⊽	3.9	210^{1}	3.8	⊽	⊽	340	7	1500	180	7	7	∇	12	10/1	27	- -	7	69	7.0	7.0	100^{1}	7. 2.	7	710	0.15	330	<1.0
			(teet)	2.0	4.5	3.0	5.5	3.0	5.0	1.5	4.5	2.5	7.5	2.0	4.5	2.5	3.0	3.0	2 2	C.7 r	5.5	3.0	2.5	2.5	2.5	2.5	2.5	7.		C:7	_	3.0	4.0
		Date	Sampled	08/31/92	08/31/92	08/31/92	08/31/92	08/31/92	08/31/92	09/01/92	09/01/92	03/22/93	03/22/93	03/22/93	03/22/93	03/22/93	03/23/93	02/02/03	02/22/20	05/23/95	03/23/93	03/25/93	03/25/93	03/25/93	11/29/94	11/29/94	11/29/94	11 /20 /9/	11/29/34	11/30/94	11/30/94	11/30/94	11/30/94
	•		Number	B-1	B-1	B-2	B-2	B-3	B-3	B-4 (MW-1)	B-4 (MW-1)	2.2	-	-		222	B-0	T 44 0 6747 2)	B-11 (IMIVV-4/	B-12	B-12	B-14	B-15	B-16 (MW-4)	B-17	B-18	B-19	00 4	07-Q	B-21 (MW-5)	B-22 (MW-6)	B-23 (MW-7)	B-24 (MW-8)





Table 4. Soil Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South Sebastopol, California

EPA	8010/8240	(110/kg)	/6. 6	11.8	QN	R	Ę	2	Q)	na	มล		13a	na	na		III	na	na	na		na	na	
	MTBE	(110//50)	14 14	ша	na	na	eu	110	na	na	CZ	200	200	QN	<200		065	>200	25	<5.0		0.5	<5.0	_
	Xylenes	(110/00)	Tue weight	35,000	QN	<5.0	0.87	7.0.0	<5.0	3,000	\\$\\\		<5.0	<5.0	029		<5.0	716	425	<\$0	>:	<5.0	<5.0	
Ethyl-	benzene	(//)	/Bu/Bi	5,200	QN	<5.0	0 3/	0.5	<5.0	820	0.5/	??	<5.0	<5.0	220	MAKE	<5.0	<500	<25	0.87	?:7	<5.0	0.€>	
	Toluene		(HB/KB)	1,400	QN	05>	0.0	0.6>	<5.0	0£7		2:2	<5.0	<5.0	007	420	<5.0	<500	25	75.0	7:7	<5.0	<5.0	
	Renzene	J. J.	(Ing/Kg)	<5.0	<5.0	0.50	2.5	<5.0	<5.0	140		0.0	<5.0	<5.0	245	340	5.1	<500	205		0.0	<5.0	<5.0	
Oil and	Croace	Olcaso.	(mg/kg)	na	\$50 \$50	2007	400	<50	7.000	2,2	114	na	na	12		na	na	na	มล	****	na	na	na	
TPH as	motor oil	motor on	(mg/kg)	na	<10	076	7007	20	4.100	200	ZZ	<10	<10	V10		0I>	<10	na	ç	AIG	na	na	EL S	***
TPH as	diocel	alesei	(mg/kg)	na	0.17	0.17	0.1.	<1.0	1 1002	20.464	na	0.I.>	<1.0	<1.0	0.1.	<1.0	<1.0	na	311	11a	na	EL	eu	777
TPH oc	11 11 43	gasonne	(mg/kg)	820	0 17	0.17	0.L>	<1.0	180	AOY.	47	<1.0	V 0	017	77.0	2.0	<10	250		P: 7	0. 	012	<10	> 7
	ş	Depth	(feet)	25	5.5	0.7	3.0	3.0	3.0	0.0	2.5	4.0	7.0	0.4	0.0	4.0	10.0	2.01	, ;	OI	ď	10	2	7
		Date	Sampled	10/01/01	11/01/74	11/30/94	12/01/94	12/01/94	10/01/07	12/01/94	12/01/94	12/01/94	12/01/07	10/10/01	12/01/94	10/27/98	10/77/08	10/10/04	12/10/04	12/10/04	12/10/04	12/10/04	10/10/104	771111111111111111111111111111111111111
		Boring	Number	20 0	D-73	R-76 (MW-9)	B-27	B-28	S F	67-A	B-30	B-31	D 21	10-0	B-320	MW-11	11 /W/	M.W-11	D-33	B-33	B-34	2 2	D=34	֝֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֓֓֓֜֜֜֜֜֜֓֓֓֓֜֜֜֜֜֜֜֓֓֓֡֓֜֜֜֜֜֜

μg/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

MTBE = methyl tertiary butyl ether.

ND = not detected at method reporting limit.

na = not analyzed.

¹= Chromatographic peak array does not match commercial gasoline standard.

²= Chromatographic peak array does not match commercial diesel standard or resemble commercial mineral spirit standard.

 $^{^{3}}$ = EPA Test Method 8240 result.



Table 5. Groundwater Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South Sebastopol, California

			 _					,					1				7			1					1
	MTREA	1 TO THE TOTAL OF	(hg/l)	TU.		m	11		TY	ш	n		***************************************	П	Ħ	10	A.A.	П	0.783	CI'V	QN	<20	<10	<10	
	Varlance	Ayrenes	(l/gn)	AID.	J.	2	3.0	70	4.0	Ð	Q	10 000	2006	1.8	<u>Q</u>	- 1	γ./	31.000	CIN		S	193	<5.0	<50	
Ethvl-		penzene	([[6]])		S	2	11	7.7	8.4	Ð	ďΣ	2 200	3,500	Q.	S		N.	008.9	CIN CIN	OS	<u>R</u>	46.1	48.0	100	45.7
	,	Toluene	(III)		Q	E		Q.	2	QN	CIN	737	4,/00	2	\ <u>_</u>	E	2	94 000	Annie L	2	2	<10	26.0	2.5	0.0
		Benzene	(ma/l)	(48,1)	Ð	CZ	9 5	S	QN	QN.	div.	S	780	2	CIV	A L	1:2	16.000	10,000	QN	QN.	120	01/	0.0	<5.0
F II C		Grease	(m.c.)	(mg/1)	ш	- CIX	CIVI.	×.	QN	nr	TAN.	Ш	ш	2.5		NO.	R		ä	ш	nr	AAA	Ħ	m	nr
	I PH as	Motor Oil		(mg/I)	2	411	QN N	2	£	ŗ	LIE	nt	ш	7.0) i	2	Ę	777	II	R	CIN	251	ıτ	H	nr
	TPH as	Diesel	10000	(mg/l)	111	7	0.25	1.4	0.6 ^C		III	nr	n	70 0	0.00	Q	0.15C	CY.U	nr	R	TI.	QN	nr	nr	ııı
	TPH as	Cocolino	Casolina	(mg/l)	EX	TANK T	0.24″	1.2 ^B	0.88		2	Q.	09	Ţ	U.1.	QN N	Brco	70.0	160	Œ		3	1.7	4.2	1.0
		, , , , , , , , , , , , , , , , , , ,	Date	Sampled	4/6/02	4/0/33	12/14/94	12/18/96	416/03	4:0.73	12/14/94	12/18/96	2/16/97	TO TO	11/3/97	4/6/93	10111101	12/14/94	12/17/96	4/16/07	JI YOLLI	11/3/97	12/10/04	12/10/04	12/10/04
			Boring	Number	To the same of the	P-1/	B-18	B-19	5 6	07-g	B-21 (MW-5)	B-22 (MW-6)	200	C7-C	B-27	B-28		B-29	B-30	D 31	D-21	B-32	B-33	B-34	B-35

μg/l = micrograms per liter.

mg/l = milligrams per liter.

MTBE = methyl tertiary butyl ether.

A = analyzed using EPA Test Method 8260 for petroleum oxygenates and lead scavengers, none detected.

Only those compounds detected are listed.

^B = Chromatographic peak array does not match commercial gasloine standard

c = Chromatographic peak array resembles that obtained from commercial mineral spirit standard

 $^{\mathrm{D}}=\mathrm{Methylene}$ chloride detectged at 10 $\mu\mathrm{g/l}$, Trichloroethene detected at 0.5 $\mu\mathrm{g/l}$

 $^{\rm E}$ = Chlorobenzene detedted at 2.2 μ g/l

Table 6. Excavation Soil Sample Analytical Data

3610 Gravenstein Highway South Sebastopol, California

					Crt1		
			_	Tradas and o		Yvlenes	МТВЕ
Date	-	V				· 1	(μg/kg)
Sampled	feet (bgs)				1		(μg/kg/ <5.0²
9/16/03	5.5						
9/17/03	5.5	<1.0	25.4		 		<5.0 ²
9/17/03	6.5	<1.0	7.04				<5.0 ²
9/17/03	7.5	<1.0	<5.0				<5.0 ²
9/17/03	8.0	<1.0	6.81	<5.0	<5.0		<5.0²
9/16/03	3.0	15	25	<25	100		<25
9/17/03	3.0	800	2,300	16,000	10,000	43,000	<2,000
	4.0	<1.0	5.9	5.4	<5.0	6.0	<5.0
	4.5	13	<25	<25	61	45	<25
	4.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
	4.0	250	<100	1,600	1,200	1,200	<100
	1	710	<500	<500	7,400	4,700	na
	1	100	460	1,200	840	2,100	na
	3.5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
<u> </u>		2.2	10.1	<5.0	<5.0	<5.0	<5.0 ²
		250	<2000	<2000	<2000	<2000	<2000²
		930	<2000	<2000	34,400	176,000	<2000²
			<2000	13,300	31,200	117,000	<2000²
			7.25	<5.0	<5.0	<5.0	<5.0 ²
			<5.0	<5.0	<5.0	<5.0	<5.0 ²
			<5.0	<5.0	<5.0	<5.0	<5.0 ²
			<5.0	<5.0	<5.0	<5.0	<5.0 ²
	Sampled 9/16/03 9/17/03 9/17/03 9/17/03 9/17/03	Sampled feet (bgs) 9/16/03 5.5 9/17/03 5.5 9/17/03 6.5 9/17/03 7.5 9/17/03 8.0 9/16/03 3.0 9/17/03 4.0 9/17/03 4.5 9/17/03 4.0 9/17/03 4.0 9/16/03 1 9/16/03 3.5 9/16/03 3.0 9/16/03 3.0 9/16/03 3.0 9/16/03 3.0 9/17/03 3.0 9/17/03 4.0 9/17/03 4.0 9/17/03 4.5 9/17/03 4.5 9/17/03 4.0 9/17/03 4.0 9/17/03 4.0	Sampled feet (bgs) (mg/kg) 9/16/03 5.5 <1.0	Date Sampled Depth feet (bgs) gasoline (mg/kg) Benzene (μg/kg) 9/16/03 5.5 <1.0	Date Sampled Depth feet (bgs) gasoline (mg/kg) Benzene (μg/kg) Toluene (μg/kg) 9/16/03 5.5 <1.0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Date Sampled Depth feet (bgs) gasoline (mg/kg) Benzene (μg/kg) Toluene (μg/kg) Xylenes (μg/kg) 9/16/03 5.5 <1.0

μg/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

MTBE = methyl tertiary butyl ether.

Less than symbol (<) indicates not reported at given laboratory reporting limit.

na = not analyzed.

EX-B = samples collected from the excavation bottom.

EXSW = samples collected from the excavation sidewalls.

EXFS = samples collected during excavation for field screening of petroleum hydrocarbons.



¹ Samples EXSTKPL-1 and 2 were four-point composite samples collected from each of eight truckloads, as requested by the landfill, to represent material for disposal at the landfill.

² Analyzed for petroleum oxygenates and lead scavengers using EPA Test Method 8260B; none detected.

Table 7. Geophysical Anomaly Excavation Soil Sample Analytical Data

3610 Gravenstein Highway South Sebastopol, California

Sample Number	Date Sampled	Depth (feet)	TPH as gasoline (mg/kg)	Benzene (µg/kg)	Toluene (μg/kg)	Ethyl- benzene (µg/kg)	Xylenes (μg/kg)	MTBE ^A (EPA 8260) (µg/kg)
SW-1	2/7/05	4	<1.0	<5.0	9.04	<5.0	16.4	<5.0
SW-2	2/7/05	4	<1.0	<5.0	21.1	<5.0	28.4	<5.0
SW-3	2/7/05	4	<1.0	<5.0	8.32	<5.0	8.39	<5.0
SW-4	2/7/05	4	1.4	<5.0	<5.0	<5.0	5.93	<5.0
B-1	2/7/05	5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
SP-1,2,3,4	2/7/05		1.2	<5.0	5.00	<5.0	14.8	<5.0

 μ g/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

MTBE = methyl tertiary butyl ether.

SW = sidewall samples.

B = bottom sample.

SP = composite stockpile sample.

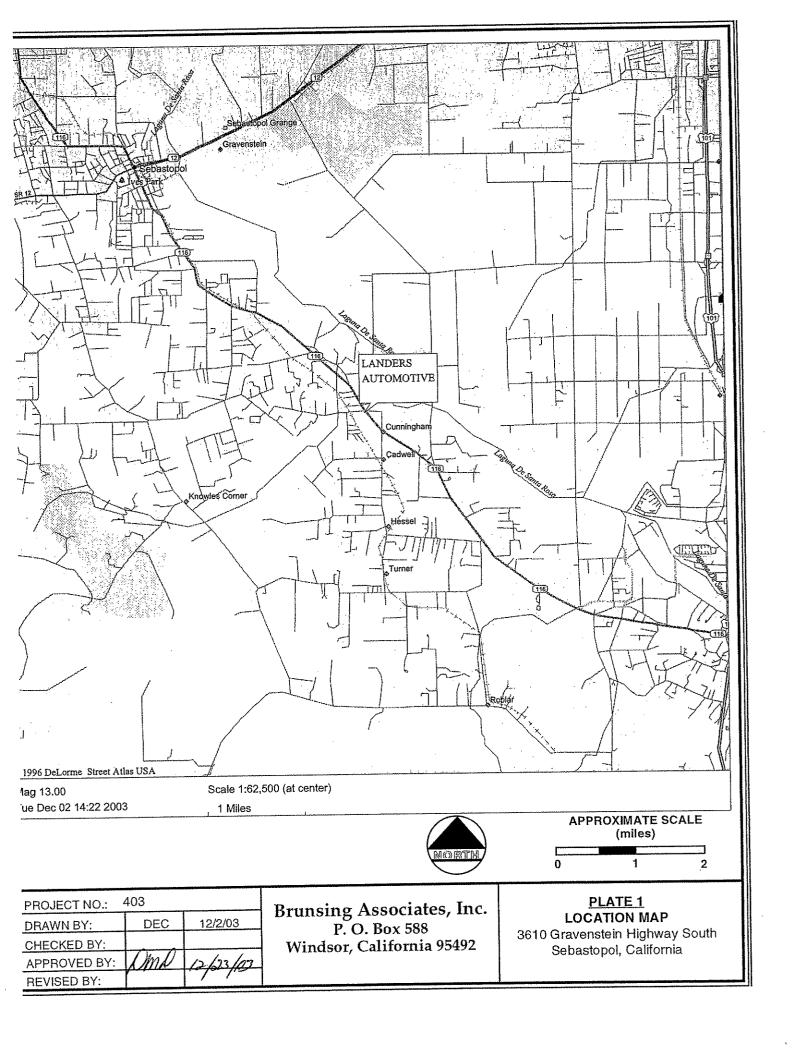


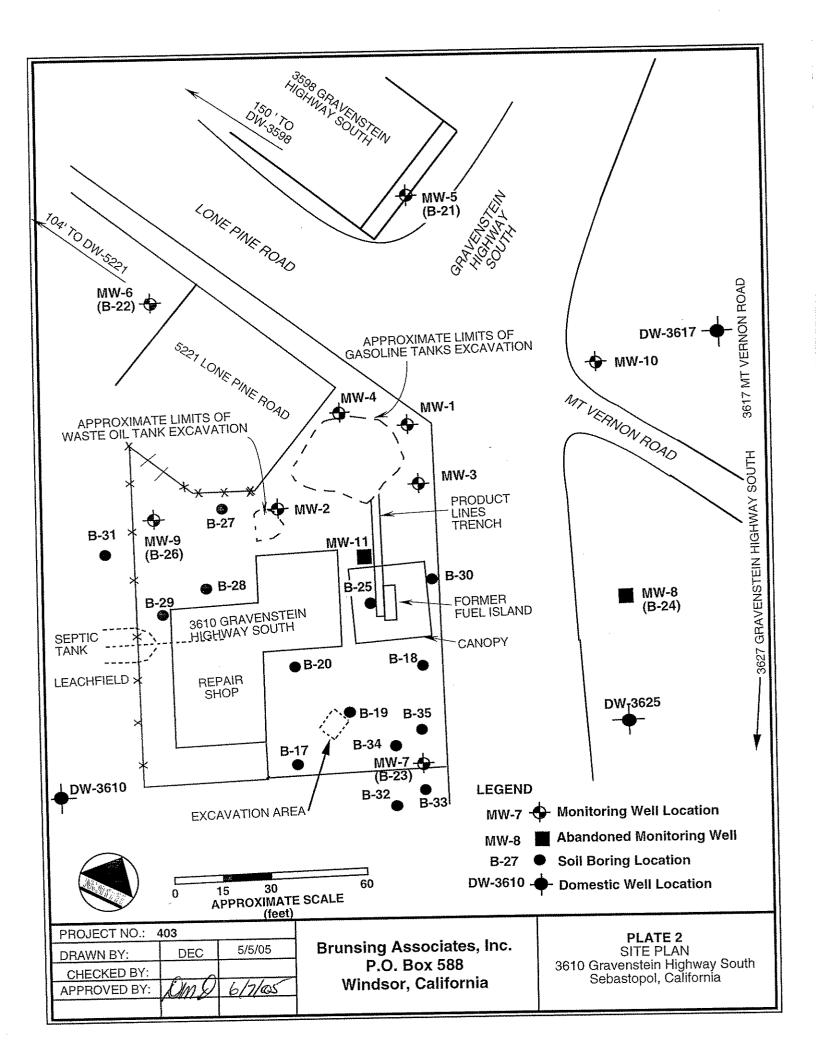
A = analyzed using EPA Test Method 8260 for petroleum oxygenates and lead scavengers, none detected.

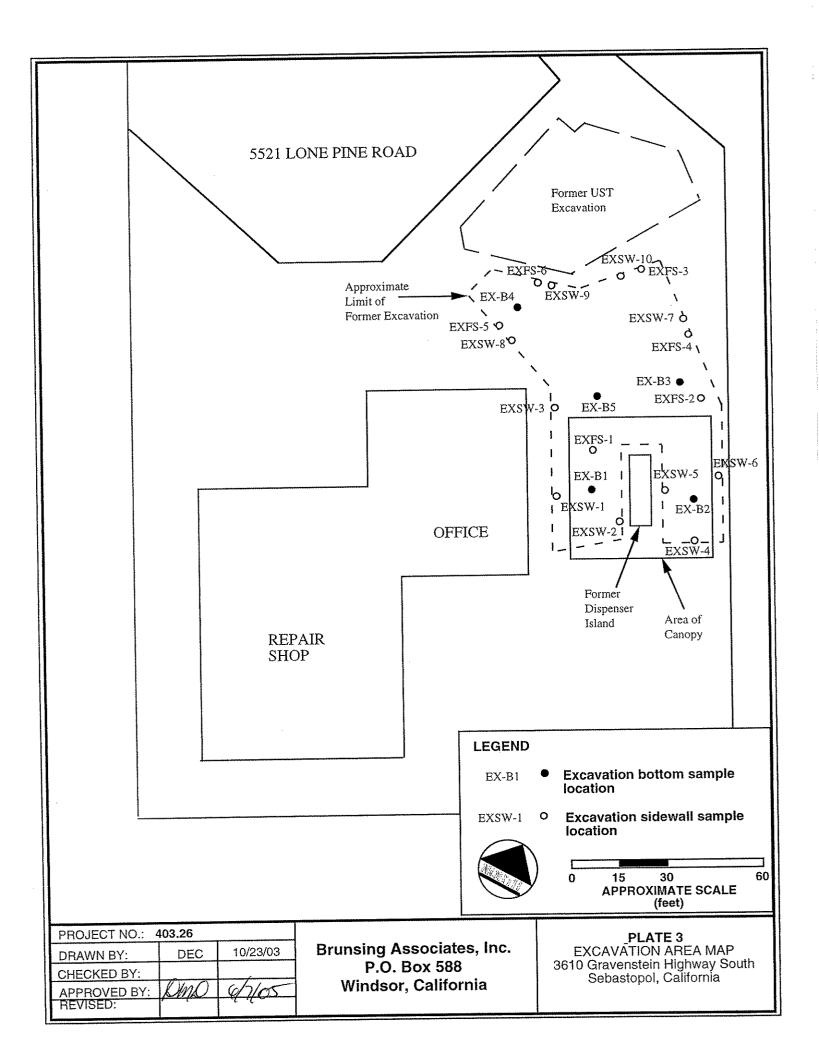
< = not detected above the specified reporting limit.

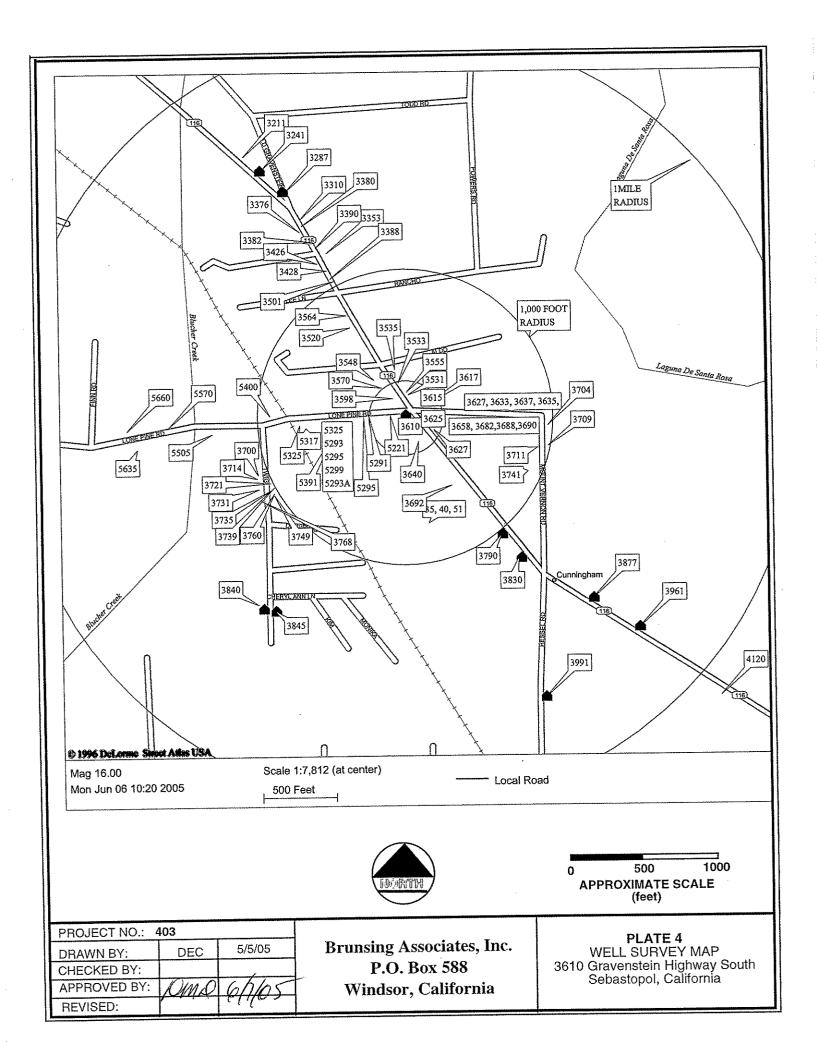
PLATES

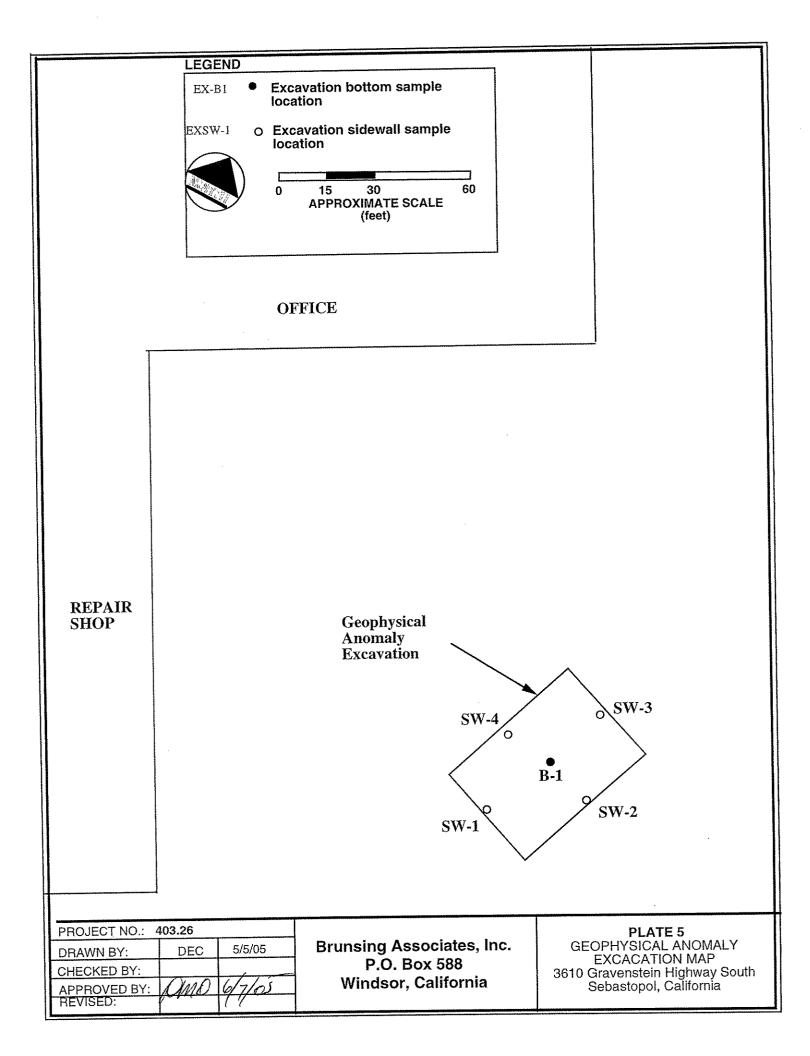












APPENDIX A Sensitive Receptor Survey Letter





March 9, 2005

Project 403

Dear Resident:

Brunsing Associates, Inc. is an environmental consulting firm that is currently performing a groundwater investigation at Lander's Automotive, 3610 Gravenstein Highway South, Sebastopol, California. The investigation is associated with former underground storage tanks that leaked gasoline into the subsurface. As part of the investigation, the California Regional Water Quality Control Board and the Sonoma County Department of Environmental Health have requested that we locate all wells within the vicinity of 3610 Gravenstein Highway South. The leak was within 1,000 feet of your property. The results of this survey will be used to determine whether the water in the well on your property (should one exist) need to be tested for the presence of gasoline and its constituents. Testing, if required, would be free of charge.

To assist in our investigation, we would appreciate it if you would contact David Conley or Diana Dickerson at Brunsing Associates at (707) 838-3027. Please leave a short message stating your street address and whether or not there is a well on your property. If you have any questions, you can also contact Ms. Darcy Bering at the Sonoma County Department of Environmental Health at (707) 565-6571.

Thank you for your co-operation.

Sincerely,

David E. Conley Senior Geologist

APPENDIX B Department of Water Resources Well Logs



STATE OF CALIFORNIA THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Nº 141555

State Well No. 64/84-18K

				*****				·······		
(1) OW	I) OWNER:							LL LOG:		
Name	Front	ier Bu	ilders			4	Total depth	59	ft. Depth of completed well 59	ft.
			fer Roa	d			Formation: L	escribe by color,	character, size of material, and structure	
	Sebas	topol.	Califo	rnia					ft. to	ft.
(2) LO			WELL:				0 -	. 3	Soft brown topsoil	
County	Sonom	a	0.	rner's number, i	if any 62-()3 46	3 =	7_	Brown sand	
Township, Ra			Jones L				7 -	<u> </u>	Gray sand	·
Distance from	n cities, road	ls, railroads,	etc. 3700	Twig A	venue		<u> </u>	24	brown sandy clay	
					Califor	mia	24 -	35	grey sandy clay	
(3) TY	PE OF	WORK	(check)				35-	<u>. 38</u> _	coarsebrown wet sand	
New Well M Deepening Reconditioning Destroying If destruction, describe material and procedure in Item 11.							38	42	brown sandy clay	-
				e in Item 11.		~~ ~~~ ~~~	42-	59	grey hard packed sand	
			(check):		(5) EQUI	-				
			Munici		Rotary Cable		<u></u>			
Irrigation	u∏ Te	st Well (her 🔲	Other Bu	cket.[7]				
45 04	073.TC 3	/2.YOM 4.Y	TED.		Contra 200	OTFO D SET	 	··········		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(6) CA				If	gravel pacl	keđ				
	EEL: X	*	IER:	-~	9 F			· ·		, ,
SINGLE [¥ poo	Bre 🗆 -								
•	1		Gage	Diameter of	From	То				
From ft.	To ft.	Diam.	or Wall	Bore	ft.	ft.				······
0	59	8 5/8	.156	30"	0	59				
	1									
Size of shoe	or well ring	÷		Size of gravel	Fine P	ea_			,	
Describe join		.ded				,		<u></u>		
(7) PE	RFORA	TIONS	OR SCE	EEN:					Acceptance to the second secon	
			Torch					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·····
		l	Perf.	Rows						·
From		To	per	per	1	Size				
ft.		ft.	row	ft.		x in.				
39	ŧ	59	<u>. ·1</u>	5_	3/16	хо	 			
							-			
							-			
	_			<u> </u>	_	****	-			
	<u> </u>	<u> </u>		<u> </u>	L		1			
` '		UCTION		io 🗋 🌐 T	o what depth	20 fc				
		esl providedi gainst pollut		No [depth of strate			14.4	,
_		t. to	ft.	140.	22 3144 210-14					
From		t, to	ft.				Work starte	a 2-23-7	69 , Completed 2-23-76 19	
Method of a			te on p	ack				RILLER'S ST	ATEMENT:	
	· · · · · · · · · · · · · · · · · · ·	LEVELS		<u> </u>					under my jurisdiction and this report is true to	> the best
			ond, if known		ft.		oj my kno	nvledge and be	nej.	
		perforating,			ſŧ.		NAME W		lling and Pump Company	
			d developing		28 ft.			· ·	(Person, firm, or corporation) (Typed or printed)	a 20
	VELL 7						Address		ebastopol Road /	homp
` '	test made?		No 🗗 1	f yes, by whom	, Bail					
)1d: 10)	gal./min. wi	th 22	ft. drawdor	en ofter	hrs.	[SIGNED]	Gerald	G. Thompson	
Temperatur	re of water	cool	Was a chemi	cal analysis mad	e? Yes 🔲 🚶	No 🎦	_ by M	ary E. 1	Phompson (Well Delille)	ry C
. Was electric	e log made o	of well? Yes	□ No TΩ	If yes, a	ittach copy		License N	ı. <u>1776</u> 8	Dated February 28, 19	Į 4 9

CONFIDENTIAL LOG Water Code Sec. 13752 SKETCH LOCATION OF WELL ON REVERSE SIDE CONFIDENTIAL LOG

File with DWR

e of Intent No.___

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 118735

State Well No.____

A Pennit No. or Date	Other Well No. 6 N 8 W - 18 K
(1) OWNER: Name Leo Hance	(12) WELL LOG: Total depth 99 ft. Depth of completed well 99 ft.
Address 3714 Twig Lane	from ft, to ft. Formation (Describe by color, character, size or material)
City Sebastopol, Calif.	-
(2) LCCATION OF WELL (See instructions): 062-030-45-	0 -4 top soil (sandy clay)
Well address if different from above SAME	4 - 6 brown sandy clay
Township Range Section	6 - 8 blueish gray sendy clay
Distance from cities, roads, railroads, fences, etc	8 _ 12 blue sandy clay
	12 - 14 birdseys gravel w/water
	14 - 18 blue and brown sand
	18 - 25 Slue clay
(3) TYPE OF WORK:	25 30 blue clayee sand
New Well 🖟 Deepening 🗆	30 35 blue and brown clayee sand w/inbed
Reconstruction	- grave (and wood
Reconditioning	35 - 40 yellow and orange clayee sand
Horizontal Well	20 - 43 yellow sand, gravel w/wateryellows
Destruction (Describe destruction materials and procedures in item 122	32. 55 yellow sand, gravel w/water
1 \ \ \	55 - 60 yellow sand greet w/water
(4) PROPOSED DSP	66 - Sorange and brown sand w/water
Domestic	72 - 78 orange sarry clay w/stks. of orange
Irrigation	
Industrial Trest Well	280 orange clayee sand
	1 183 - 85 Orange clayee sand
Stock	J of care cand w/water w/orange clavee
Municipal	Veand stike.
WELL LOCATION SKETCH Other (5) EQUIPMENT: (6) GRAVEL PACK:	yellow sand w/water
- A Whitedre	
Rotary Reverse Cable No Size Size Cable Air Transcer of bore 3200	
Other Bucket Theker from 29 to 99	
(7) CASING INSTALLED: (8) PERFORATIONS: LOTCH	
Steel X Plastic Concrete X Type of periffcation or size of screen	
	_
from to Dia. Gage of From 10 Slag.	
0 99 8 8 8CL160 59 99 3/26x6	
(9) WELL SEAL:	
Was surface sanitary seal provided? YesX No □ If yes, to depth 20 ft.	
Were strata sealed against pollution? Yes No Interval ft.	Work started 9/26/ 19 77 Completed 9/26/ 19 77
Method VI 34415	7701 301000
(10) WATER LEVELS: Depth of first water, if known	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my
Standing level after well completion 8 ft.	knowledge and helief
(11) WELL TESTS: X Weeks	SIGNED Gerald Thompson by Mary Thompson (Well Driller)
Was well test made? Yes \(\tag{Y} \) No \(\tag{I} \) If yes, by whom? \(\tag{Air lift} \) \(\tag{Y} \)	The same of the billion
Depth to water at start of test 8 ft. At end of test 84 ft	NAME Weeks Drilling & Full U.S. A. C. 1
Direharge 30 gal/min after $2\frac{1}{2}$ hours Water temperature COO	Address
cal analysis made? Yes No If yes, by whom?	City Sebastopol, Calif.
Was electric log made? Yes No No X If yes, attach copy to this report	License No. 177681 Date of this report.

ORIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No. (Inut appropriate number)) OWNER Name (2) LOCATION OF WELL R. F. D. or Street No. (3) TYPE OF WORK (check): Abandon 🔲 Deepening 🔲 Reconditioning New well If abandonment, describe material and procedure in Item 11. (5) EQUIPMENT: (4) PROPOSED USE (check): Domestic Industrial I Municipal I Rotary Cable Irrigation Test Well Other Dug Well (6) CASING INSTALLED: If gravel packed SINGLE DOUBLE Gage to ft. A.Ti From Diem 11 ++ Size of gravel: Type and size of shoe or well ring Describe joint (7) PERFORATIONS: Type of perforator used in. Size in., length, by of perforations Rows per ft. From Perf. per row ft. to ft. ** ** ** £1 TF ٠, 71 11 (8) CONSTRUCTION: Was a surface sanitary seal provided? | Yes WNo To white depth Were any strata scaled against pollution? | Yes | 1000 If yes, note depth of strata From Method of Sealing (9) WATER LEVELS: ft. Depth at which water was first found ſŧ, Standing level before perforating

ting level after perforating

(10) WELL TESTS:

Temperature of water

Was a pump test mede? [Yes No If yes, by whom?

Was electric log made of well? Yes No

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7072, Water Code)

STATE OF CALIFORNIA

fe, draw down after Was a chemical analysis made? [] Yes [] No

Do Not Fill In Other Well No

_		ell loc	"			~	
For	tal depth	$\mathcal{L}_{\mathcal{X}}$		epth of complete		<u>8</u>	ft.
	rmation: D			ize of material, i	end structure.		
	ර	r. 🝣	ft.	767	050	11	
	_	FR 1.	**				·1
	3	- 8		IS RI	-y 4	<u>. </u>	<u>Y</u>
	27		٠٠١	<u>Λ</u> δ.	-11-25	1 1 1	<u> </u>
	_ X _	<u>\-7</u>		12 A	- 11- <		73
	······	₹6	- +1	_ <u> </u>	ļ	21414	<u> </u>
	15	. 2	8	BLU	$\epsilon \subset L$	AV	
_	<i>y</i> . •	**	.,	10/1	TH:	SAND	<u> </u>
	76	" ?	*	0-	1150	al 71	
			4.	3010	$\sqrt{24}$	AL.	
			. **				
		. *•			. ,		
,,,,,,	<u> </u>	**	. 44 	`. *			
_		•	17				
_		**	**				
	·····	4	10				
		-14	*1				
		,# ·	**				
_		**	**				
	·······		**	· · · · · · · · · · · · · · · · · · ·			
-		**		·			
•		,#4.	+1		1		
_		84					
		**		· ·			
-	A-BANIII	44				·	.,
-		e+ ,	₹1,				
-		£4	41				
	-	** .	11				
-		41) 49		<u> </u>		* ,
-	<u> </u>			,			. 47
_		44	**	FOR (FICIAL	USE ON	Y
-	,	41	**	· · · · · · · · · · · · · · · · · · ·			
-		**	*1				
-		44	* 11	•	····		
-		. 40	* "				
٠	Vork starts	3 776	3	125-50	empleted /	1111	1955

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

AUE 1 5 1960 Do Not Fill In

45122

THE RESOURCES AGENCY OF CALIFORNIA

5			`	D	EP/	RTME	NT OF V	VATER R	ES	SOURC	ES 6045		other Well No	18	=/ <u>//</u> K8
(1) OWN	ER:							(11) WEI	LL	LOG:					
` '		2 am 17.	ederal S	້ວກາ ກອງ	= <i>R</i> +	Loan		Total depth		335		sh of s	ompleted well	335	ft.
Name No Address			uma Blv			, would			eser		, character, size of				
11441493			Calif.				·····				ft. 10				ft.
(2) LOC/				·.				0 -	•	81	Cobbles			*	
County Sor		,,,,,		wner's numb	r, if 21	ny		8 -	*	132	Yellow s	sand	, coarse	sand	
Township, Rang	e, and Sect	tion 14	545 Twi	g Ave.				132 -	-	17 ^{tO}		<u>rdy</u>	clay stre	aks y	<u> GTTOM</u>
Distance from c	ities, roads	, railroads,	ecc. Seb	astopo	1,	Calif.				3 67	sand	- T	. Anna		
							:	170 -	*	156 166	Coarse b) Tue	sand sti	reaks	vellow
(3) TYP		WORK						156 -		100	sand	0.1.00	Bella Do	. • • • • •	<i>d</i> *
New Well X		pening [litioning [_	Destroying	s 🗆	166 .		225		sand	l & grave.	L	,
If destruction					/ = 1	FOIII	PMENT:	225		240	Yellow s				
(4) PROD Domestic						otary		240 .		265	Blue cl				
Irrigation	inc Tec	t Well		her 🖂		able		265		272	Blue gr		L		
migation	L. 140					ther		272		305	Blue cl	ау	1		
(6) CAS	ING I	NSTAI	LLED:					305	**	315			<u>l streaks</u>	<u>blue</u>	<u>clay</u>
STEE			HER:		If gr	avel pacl	ked	315		323	Blue cl		-		
BINGLEXT		SLE 🗍 .						323		_335_	<u>Blue gr</u>	ave.	<u>l streaks</u>	blue	<u>clay</u>
 I		ı —	Gage	Diamete	- 1		1	<u> </u>	· <u>, </u>	,					
From	To	ĺ	or	of	~	From	То					<u> </u>	·		
ft.	ft.	Diam		Bore		ft.	ft.	<u> </u>	•		<u> </u>		· · · · ·		
_ Q	335	6 5/	<u>'B 10</u>	15_		0	335_	<u> </u>							
- 7		<u> </u>		<u> </u>	- -			 		**************************************		·····			<u></u>
		<u> </u>		Size of gr		Pea	<u> </u>								
Size of shoe or	well ring:	weld	L	1 Size of Ki	4161.										
Describe joint	FOR A	TIONS	OR SC	REEN:											
Type of perfor				ch						75.			~ ~		,
		T	Perf.	Row	\$		1				ONFIDEN	TAI	LOG_		
From	1 .	то	per	per		1	Size				ter Code	_\$e	a . 1000 –		
ft.		ft.	tow	ft.		1	. x in.								
<u>255</u>	33	35	<u>lı</u>	1-1-	<u></u>	6 x	3/16								**************************************
				1											
											···				
						 									
(8) COI	Tetret	ICTIO	N.	_L								ļ	fur offic	<u>IAL US</u>	E UNLY
Was a surface				No 🗆	Tox	hat depth	240 fe								
			tion? Yes 🗌	№ 🗀		If yes, note	depth of strata								
From		. to	ít,								3) (0		TT	68	
From	fe	. 10	ft.					Work starts	ed 4	July 2	***************************************	mpleted	July 29	,00	
Method of sea	ling	ւթայ	ped gro	at on	paci	<u> </u>	···	WELL D	KI. "U	LLEK'S S was drille	STATEMENT: ed under my jur	risdicti	ion and this rep	ort is true	e to the best
(9) WA	TER I	LEVEL	S:					of my kn	owl	ledge and i	belief.		_		
			ound, if known			ft.		NAME	7	WERKS	DRILLING	& I	PUMP CO, .	A CORI	>
Standing leve					30	fe.	·····	111111111			(Person, firm, or	corpora	tion) (Typed or t	rinted)	
			nd developing			fr.		Address		6100	Sebastop	ol I	Rd.		
(10) W	ELL I made)		No X	If yes, by w	iom }	bai	1.			Sebas	stopol.	ali	a = 1		
, F.	-	gal./min. v	P. P.	ft. dra			hrs.	[Signed]		1//	ary Co	\leq	nomp	SOK	
Temperature				rical analysis			No 🗵	GER	ΔL		MPSON BY:	(Well	HRTTHMP	30N	PRES.
Was electric			u □ No □	K If y	es, seta	ich copy		License 1	No.	<u>166</u>	(d) (Dated.	Aug. 3	<u>, 1968</u>	<u>D</u>

Was electric log made of well? Yes D No CK If yes, attach copy

ORIGINAL >

Name Address

File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

(2) LOCATION OF WELL:

Elementary School

(3) TYPE OF WORK (check):

ረሳ ለጎሌ ተድስተያየት ሽ ያለግሞቸል (**ጎ**ሴ የ .

CONTROL BOARD No. (ert appropriate number)

(A) OWNER:

County Sonoms

R. F. D. or Street No.

Do Not Fill In WATER WELL DRILLERS REPORT Nº 107947 (Sections 7076, 7077, 7078, Water Code) State Well No THE RESOURCES AGENCY OF CALIFORNIA (3 Other Well No (11) WELL LOG: とり J & R Estates 700 Piezza Road Santa Rosa, California Owner's number, if sny-Twig Lane, Sebastopol 300 yards East of Gravenstein Union

İf abandı	onment, des	cribe mater	ial and proce	dure in It				
Domes	tic 🕮 I	ndustrial	(check) Muni Other	cipal [R	EQUIPI LotaryBU Lable Dug Well		
SINGLÉ	ASING	BLE [Gage QQ or	If Diameter of Bore	gravel pa	cked	to ít.
From () ft. to "	re st. C	Diam. • I	00 Wall	2411	0 "	42	10
<u> </u>	**	*1	41			14	<u> </u>	<1
	44	bt	4.	t d		*4	***************************************	44
+ *	**	14	**	**		44		**
++	**	44	74	71		rt		11
Type and	size of shoe o	r well ring			Size of gr	avel: pea		
Describe	ioint	B171:1	weld					

44	1.6	44	**	41	24"	0 "	42 "
7.	**	*1	41	-1		14	<1
-4.	4.0	Þŧ	11	er		**	41
• *	"	14	71	44		<<	**
+4	**	**	P4	10		**	н
Type and	size of shoe	or well ring	· ·		Size of grave	⊫ реа	
Describe	joint	Butt	weld				
(7) P	ERFO	RATIONS:			,		
Type of g	erforator u	sed	Tor	ch			

Type of pe	rforetor used			Tore	ch	
Size of	perforations			4	in., length, by	3/16 in
From 2		42	ft.	4	Perf. per row	1 Rows per ft
+4	11	77	**		·	((14 46
11			11		et 44 41	EC 44 PC
**	*1		• ••		er 40 40	s+ st 1\$
**	11				16 16 16	٠٠ ١٠ ١٠

` '	anitary seal provided?	Yes No To what depth	ft.
		Yes No If yes, note depth of strata	
From	ft. to	ft.	
11	+1	11	
Method of	Sealing	Concrete	

(9) WATER LEVELS:		-		
Depth at which water was first found	18	•	· •	ft.
Standing level before perforating	18_			ft.
ling level after perforating				źt.
WEIL TECTS.		, · , · .	1.55	

Was a pump test made?	☐ Yes ☐ No	If yes, by whom	' bail	er test
Yjeld: 5	gal./min. with	5	ft. draw dow	n after 7
Temperature of water		Was a chemical	analysis made?	Yes X No
Was electric log made of	fweil? 🗌 Yes (X No		

etal depth		42	ft.	Depth	of com	pleted wel	ı		42	f
ormation: De	wethe bu									
0	ft, to	2	ft.	То		oil				
2	**	25	ek.	Sa	ndy	red	clay	•		
25	•••	29	# t		ndv	Red	Clay		Gra	ve i
	44	<u>ک</u>		Sa	~ 44.		y cla	77		Y
29	41	<u></u>	,,,		<u></u>					
37+			48	Dä.	ndy	red	clay			
···							<u></u>		····	
	**		**				····	·		
	**		**							
	**		**			٠.٠٠				
	**		**							
	(#		<q< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></q<>							
	44		16							
	FL		**							
	11		44							
	+<		**							
	14	·· ·· · · · · · · · · · · · · · · · ·	41	Kara-ra						***************************************
······································	47		**						···	
			**							
	٠,٠									
	· · ·		**							
			- 44	·					·	
	• (11							
	44		**							
	**		**							
	**		**	***	-	4	/			
	41	<u> </u>)/\r	1Dr	NIA	L LC	~~~~·			
	14	Rat	er	Cod	e S	ec. 7	vov			
	**		44							
	••		11							
	44		41							
T-1	11		45							
	••	WAAAAA	11		······································					
	**		"							
···		· · · · · · · · · · · · · · · · · · ·		<u>-</u> -			······································	***		
		·								<u></u>
	**	·····	41	*****						
				·						
	11		44						·····	
	**		45							
			-19			ND =		,,,	·	
	11		11		(9*	uk O	FEICHAI	7 76:		
	4¢		**				*** 314	* \$1.	iku tulik	;
	(1		41							
	+1	3	4,		66					19 6

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Les Petersen Well Drilling Co. 5434 Old Redwood Hwy.

			Californi		2
[Stonen]	Te s	Poto	risen W	el de	rellen
£0.0	V		Well Driller	•	. 0

STATE OF CALIFORNIA

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 119069

Permit No. or Date	TER WELL DE	ULLERS REPO	State Well No. 6N(8W-19
/1\ OWNER. Nolson Gingams		/19) WELL LOC	Total depth. 73 ft. Depth of completed well. 73 ft.
(1) OWNER: Name Nelson Gingery Address 5221 Lone Pine Road			ation (Describe by color, character, size or material)
	zip95472	0	3 Topsoi'
City Sebastopol, Calif.,	" · I		Brown sandy clay
(2) LOCATION OF WELL (See instructions County Sonoma Owner's Well 1	. 062-030-11		Brown sandy clay and gravel
County Sonoma Owner's Well 1	viimber 32		Gray & Yellow clayee sand
Well address if different from above Same	ction		Yellow claxes sand
	ction		Grew and Yellow sand w/ water
Distance from cities, roads, railroads, fences, etc.			Yellor slayee sand
		47 - 55	Yellow sand and gravel w/ water
	· · · · · · · · · · · · · · · · · · ·	55 - 60	Yellow and gray sand w/ streaks
(3)	TYPE OF WORK:	A	of wet sand
Nev	Well X Deepening	60 (168	Yellow clayee sand w/ imbed gravel
Rec	onstruction	- //	streams of the same w/ water
Rec	onditioning	68 - 70	Grapand yellow sand w/ water
Hor	izontal Well	70 - 73	Gray clayee sand, gray clay, streat
Des	truction [] (Describe	1112-	of gray sand(w) water.
desi	truction [] (Describe ruction materials and educes in Item 12)	7 - 6	Rall
	PROPOSED USE	7/10	
1	nestic	<u> </u>	0
Irri	gation		シップ
Ind	ustrial 📗 🗆	\(\sqrt{\sqrt{2}}\)-\(\sqrt{-\sqrt{2}}	
Tes	(Well	W- 6	
Sto	A /	1 - OK	100
/ Mu	nicipat 🗅	X - SX	
WELL LOCATION SKETCH ON		-62/	
(5) EQUIPMENT: (6) GRAVEL PA	CK:	\(\sigma_{\sigma}\)	,
Rotary Reverse No	Size fine pea		
Cable Air	3200	- <u>- (177)-</u> ,	
Other D Bucket B Acked from 35	<u> 73 </u>	3//// -	
(7) CASING INSTALLED: (8) PERFORATE		10 -	
Steel Plastic Concrete Type of periffection	or size of screen		
From To Dia Cage of From	To Short		
ft. ft. Vin. Wall ft.	ft. size	_	
0 73 578 .156 53	73 3×16 x 6	5	
		***	- Company - Comp
(9) WELL SEAL:	<i>√</i> 3.		
Was surface sanitary seal provided? Yes 🛣 No 🗌 H	yes, to depth35_ft_	<u> </u>	
concrete on pac	k Intervalft,	- 0/6	2/77 19 Completed 8/25/77 19
Method of Scaling		Work started 8/2	
(10) WATER LEVELS: Depth of first water, if known	ft.	WELL DRILLER'S	
Standing level after well completion 73	ft.	knowledge and belief.	nder my jurisdiction and this report is true to the best of my
(11) WELL TESTS:		SIGNED Gerald	G. Thompson - By Mary E. Thompson (Well Driller)
Was well test made? Yes No I If yes, by wi	nom? Weeks	NAME Wekk Dr	illing and Pump Company,
	t end of test_63ft	(Per	son firm, or corporation) (Typed or printed)
	Vater temperature cool	Address 6100 Seb	
)cal analysis made? Yes \(\square\) No \(\bar\) If yes, by w			ol, California Zip 95472
And and the second of the second of the		License No. 1776B	Date of this report 8/25/77

ORIGINAL : File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

YATER WELL DRILLERS REP

Do Not Fill In ...

STATE OF CALIFORNIA

CONTROL BOARD No. (t appropriate number)			4013	Other Well No.
OWNER:	(11) W	ELL I	LOG:	
<u>.</u>	Total depth	. 22	ft. Dep	th of completed well 29 ft.
Name George Wilson Address 7125 Riphick, Rd.		Describe by	color, character, six	of material, and structure.
SEBASTOPOL, CALIF.		ft. to	ft.	
OBORDIO TOTO IL SORDITT &		**		tep seil
(2) LOCATION OF WELL:	3	** **	11 "	light brewn sand
County SONOMA Owner's number, if any-	11	k	<u> 13 "</u>	red olay
R. F. D. or Street No. 5295 Lone Pine Rd.		3 "	15	white sand
300 ft. south of Lone Pine Rdo	15		<u> </u>	red eley with sand
500 ft. east of Gravenstein Hay. South	19			red same
		٠.		
		+4	**	
(3) TYPE OF WORK (check):		*4	16	
New well Deepening □ Reconditioning □ Abandon □		١٠	•	
If abandonment, describe material and procedure in Item 11.		1+		
(4) PROPOSED USE (check): (5) EQUIPMENT:			** .	
Domestic I Industrial Municipal Rotarbucket		17	**	
Z T TWENT Cable			**	
Irrigation lest Well Other Dug Well		**	11	
(6) CASING INSTALLED: If gravel packed		••	4 P	
CINCLE TO DOUBLE T		**	+1	
From ft. to ft. Diam. Wall of Bore ft. ft.	.	••	44	
0 22 46" I.D. 54" 10 22			**	
\ centerete pipe	.	1-7	*1	4.00
the same of the sa	.	**		
		+1	**	
	.	**	4+ 	
A January Control of the Control of	·	**	14	
Describe joint		• • • • • • • • • • • • • • • • • • • •	1+	
(7) PERFORATIONS:		*1 .	. **	
Type of perforator used		4*	\$ ·	
Size of perforations in., length, by in.		ŧ+	11	
From ft. to ft. Perf. per row Rows per ft.	- 1	*1	+1	
. 11	- I	.,	**	
17 G 11 G 11 G 14 G 15 G	-	**	44	
	-	**	**	
2 2 2 2 4 14 15	:	**	+1	7
(8) CONSTRUCTION:		***	11	- LAFOR OFFICIAL LISE ONLY
Wat a surface senitary seal provided? Yes No To what depth ft		47	P1	STOPE THE UNITY
Were any strata scaled against pollution? A Yes A No If yes, note depth of strata	-	**	**	
	1	4.		
From 6 ft. to 10 ft.	-	4.	\	
Method of Sealing poured senorate	Work star	teq	10/8/62	. Completed = 10/10/62
	WFII T		'S STATEMEN'	•
(9) WATER LEVELS:				jurisdiction and this report is true to the best of
Depth at which water was first found 11 ft	my knou	vledge and		
· S-anding level before perforating ft	- IAMME	В	ALIARD& FO	
ding level after perforating ft	L Address	800	(Person, firm, or co	
CAN MALTE PROTO			POL CALIE	
(10) WELL TESTS:	- 05	, m	7	7/1/1/1
Was a pump test made? Yes No If yes, by whom?	[SIGNED	1-16	real.	N WAY Driller
Yield: XXX XXX XXX XXX XXX XXX XXX XXX XXX X	License 1	No. 1	85456	Dated 10/80/62 19
k called and a	- Luciuse I			
Was electric log made of well? Yes A No	enone e	40 KON A11	IN A SPO	DWR 188 (REV. 3-54)

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 210728

State Well No. Other Well No. 060086018J

Permit No. or Date 580-86	Other Well No. OGUOSW 18J
(1) OWNER: Name Donald Gardner	(12) WELL LOG: Total depth 97 ft. Depth of completed well 97 ft.
Address 5291 Lone Pine Rd.	from ft. to ft. Formation (Describe by color, character, size or material)
City Sebastopol Zip 95472	0 - 2 Top soil
VIV	2 - 4 Brown sand
(2) LOCATION OF WELL (See instructions): County Sonoma Owner's Well Number 62-030-88	4 - 8 Brown clayee sand
C A M C	8 - 97 Multi-Colored sands
vveil address if different from above	
Township O6N Range Section	-
Distance from cities, roads, railroads, fences, etc.	
(3) TYPE OF WORK:	A
New Well X Deepening	
Reconstruction	
Reconditioning	1 - (C)
Horizontal Well	1911 - 4/10
Destruction (Describe destruction materials and procedures in Item 12.	
procedures in Item 12	
(4) PROPOSED TO	
Domestic	
Irrigation	11-11 13:20
Industrial	
Test Well	110-
Stock	(11) - 0 (1100
Municiphl	
WELL LOCATION SKETCH Other	
(5) EQUIPMENT: (6) GRAVEL PACK: MONTON SAING	
Rotary Reverse No No No Size	
Cable Air Diameter of bore 51 97	
Other Bucket Pecceptrom	
(7) CASING INSTALLED: (8) PERFORATIONS: M.P.	
Steel Plastic X Concrete Type of perferance or size of screen	
From To Dia Gage or From To Sort	***************************************
ft. ft(Vin. Wall ft.	
0 97 6 CL200 62 97 032	
	-
(9) WELL SEAL:	
Was surface sanitary seal provided? Yes & No If yes, to depth 51 it.	
Were stratz scaled against pollution? Yes No Interval ft.	
Method of sealing Sand grout on pack	Work started 11-14 19 86 Completed 11-18 19 86
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if known	This well was drilled under my jurisdiction and the report is the best of my knowledge and belief.
Standing level after well completion 20 2 ft.	
(11) WELL TESTS: Weeks	Signed Gerald G. Thompson, By Ward Thompson
Was well test made? Yes M No If yes, by whom: Type of test Pump Bailer Air lift	NAME WEEKS DRILLING AND PUMP COMPANY
Depth to water at start of test 20 ft. At end of test 77 ft	(Person, firm, or corporation) (Typed or printed)
r varge 20 gal/min after 2 hours Water temperature COO	Address P. O. Box 176
Acal analysis made? Yes No X If yes, by whom?	City Sebastopol, CA Zip 95472
Was electric log made? Yes No if yes, attach copy to this report	License No. C57-177681 Date of this report

WATER WELL DRILLERS REPORT FEB 2 1 1989 Do Not Fill In

(Sections 7079, 7080, 7681, 7082, Water Code)

Nº 11199

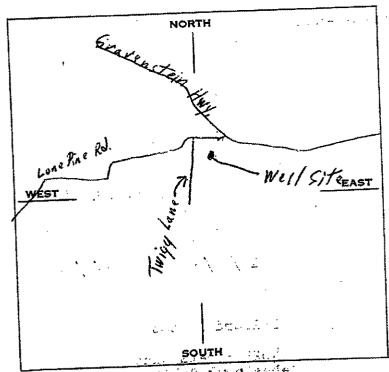
THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

)								WATER RESOURCES Other Well No. Other Well No.
,								(11) WELL LOG:
(1) OWN	ER:					, ,		1 2/3
Name No	rma	n Ro	llins			· · · · ·		1 Otto depart - V
Address	32 B	ranc	ning Wi	ay				Formation: Describe by color, character, size of material, and structure
Petali								0 ft. to 1 ft. Pep soil 4. 1 3 Soft white sand
(2) LOCA	TION	OF	WELL:					
County Sonoma Owner's number, if any Fynogi, Rateopresected ne Rd. Sebastopol. Calif.								
F-3-21, R.F.) ja die Geot	Brine	Rd.Se	bastor	ol.	Cal:	Lf.	
000 mb	ica, Wal e	a prosp.	& Junt	ion of	Lo	ne_	Pine R	and the second s
Gravenstein Hwy. 100 ft. south of Lon (3) TYPE OF WORK (check): Pine Rd								
							ine Rd	
New Well 🙀	Dec	pening [litioning 🔲		stroying	š Li	
If destruction,					/c\ \$	COTIT	PMENT:	
(4) PROP	OSEL	USE	(check):					
Domestic Irrigation	Ling	+ Wali	☐ Wenner	her [Cabl	ս Դ Ն ԵՐ	cke tz	
irrigation [168	r well	U 0		Othe		Ħ	
(6) CASI	NIC T	NTO'T' A T	TED.	L				,
, ,			- 1	I	f grave	el pac	ked	
STEEL			HER:		-	-		:
BINGLE	DOUR		Concre	•			•	
	m.	I.D	• Gage or	Diameter of		rom	To	
From ft.	To ft.	Diam	1 1	Bore		£t.	ft.	A STATE OF THE STA
A	167	- 36*	34.1	50"	7 1	3	161	
9				^				
Size of shoe or t	well ring:			Size of grav	rel: (ione	rete S	Sand
Describe joint								
(7) PERI	FORA	TIONS	OR SCI	REEN:				
Type of perfora								
			Perf.	Rows				AN .
From		To	per	per			Size	CONFIDENTAL LOG
ft.		ft.	rów	ft.		\$17)	.xin.	Weter Code Sec. 7080
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
			None		-4			
								FOR OFFICIAL LISE ONLY
								FUR UFFICIAL USE OILLI
. ,		JCTIO					6.	
Was a surface :				No []	To what		ft	
Were any strat	^		* ~	No 🖳	11	yes, not	depth of strate	
From	0	. 10	15 ft.					Work started 12/18/68 , Completed 1/4/69
From		. to	ít.					WELL DRILLER'S STATEMENT:
Method of seal		eady						This well was drilled under my jurisdiction and this report is true to the best
		LEVEL		1		ft.		of my knowledge and belief.
Depth at which Standing level	***************************************		ound, if known			ft.	····	NAME Ballard & Foots
						ft.		(Person, firm, or corporation) (Typed or printed)
		ESTS:	ind developing	كالمناب بالمديدية المساهد				Address 1625 Stoetz Lane
	CLL 1 tm:de}	′		If yes, by who) Tan		• • •	Sebastopol Calif.
want tes	1 3	gal./min.			down afte	r	pie.	[SIGNED] When I I for
Temperature o		-		ical analysis st			No 📆	(Well Disilar)
Was electric l					s, atrach			License No. 185456 Dated 1/24/69 , 19
Warran 10 to								·

		IORTH BOUNDA	RY OF SECTION	17, 482 . 233	安 33479年第 1 1	11199	চন্দ্র । জন স্থানিক ভিন্দি । কর
					rupgya Fili Grayani		(
	₩ *	 ½	ŃΕ	1/4	WIFE		mental tradecours plans
į					<i>*</i>	A Property of the Control of the Con	
;.		17. 22.			Township Range —		E/W
	The Sound of	The Same		- B38 1	Section	No	
	SV	N 1/4	SI	1/4	WILE WILE		:

		MILE	1/2	MILE	٠.,	. : :()	, 'MA' MA' MA' MA' MA' MA' MA' MA' MA' MA

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.

Sketch roads, railroads, streams, or other features as necessary.

Indicate distances.

90 1301

)

41 1 Mg 62 MAL 8369

RESOURCES

40 500

File with DWR Water Gode Soc.

STATE OF CALIFORNIA THE RESOURCES AGENCY

13752 THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

74681 No

State Well No Other Well No

′												
(1) OWN	VER:							(11) WE	LL LO	G:		
- •								Total depth	_80_		10, 20,000	ft.
Name Brad Griffen Address 5295 Lone Pine Road								Formation: I	describe by e	olor, che	racter, size of material, and structure	
		stopol			0	5472					ft. to brown	ft.
(2) LOC	ATION	OR W	ett.		30	- 49		0		2	Sandy brewer topsoil	-
County	Sono	ma	0	wace's number	r, if a	07 % 79 9 9	5295	2		3	Grey clay	
Fownship, Ran			***************************************			Sebast		3		_8	White sand	
Distance from				<u> </u>	· ·	····	-	8		<u>ç</u>	Grey clay	
Distance from	C10103, 100001							0	- 148-	<u> 11</u>	Orange candy clay-	
(3) TYP	E OF	WORK	(check)	:				<u>íı</u>		16	Grey sandy clay	
New Well		pening [ditioning [1	Destroying	: O	16_		25_	Brown tight cand	
If destructio								25		_36_	Brown sandy, shaly clay	
(4) PRO					(5) EQUI	PMENT:	36		49	Orange shale with clay	
Domestic	X Ind	ustrial 🗀	Munici	ipal 🖂 🗎		otary		40		78	Orango water-bearing sand	
Irrigation	Tes	t Well	Ot	her 🗌		able		78_		-7 9-	Hard, tight sand	
	tarend .	-			C	therBuc!	cet X	<u> </u>				
(6) CAS	ING I	NSTALL	ED:									
STE					If g	ravel pacl	ked			~~~~~~~		
SINGLE [•							·			
	n. 1 · · · · · ·		1 0	Diamete	. 1		1					
From	То		Gage	of	١,	From	То					
fr.	ſt.	Diam.	Wall	Bore		ft.	ft.					
. 0	70	7.80	1.01	30"		0	79					
7	. 7		4									
,			<u> </u>				<u> </u>					
Size of shoe a	r well ring:			Size of gr	avel:	<u>Pea</u>						
Describe joins		Welded										
(7) PEF	RFORA'	TIONS (OR SC	REEN:								·····
Type of perio			<u> Por</u> c						<u></u>			
	Ì		Perf.	Row	\$							
From	I	To	per	per		i i	Size . x in.					
ft.		ft.	tom	ft.								
59	79		1		4	3/16	-x-6					
,												
						1						
		JCTION		~			an ft					
		nal provided?		No 🗆	10	what depth	20 1t depth of strate					
Were any str		zinst pollutio		No □		11 yes, not	Copin or marin					
From		. to	źs.					Work star	red 5-14	1	9 73 Completed 5-34 19 73	
from ft. to ft.								WELL I	DRILLER	'S STA	TEMENT:	
Method of sealing coment on pack								This 1	well was a	lrilled u	nder my jurisdiction and this report is true to th	e best
(9) WA	ATER I	LEVELS:	;			4+		of my k	nowledge 4	ind belie	j.	
Depth at which water was first found, if known ft.								NAME	eeks T	hill	ing and Pump Company	
Standing level before perforating, if known 9 ft. Standing level after perforating and developing 9 ft.										(P	ing and Pump (Spragor) Theed)	
			developing					Address	6100	Seba	stopol Road	
	ELL T		~ Lab.	If yes, by w	hom?	Bail_			Sebas		-	
	uest made? 30	gal./min. with	<u>. Сх.</u> ь 31	ft, dra			hrs.	(SIGNED	Gera	-	Thompson RHThompson	-
Aeld: Temperatur		_		mical analysis			No □				(Will Driller)	
		COOL						License	ary E	The	ompson Dated June 26, 1973 1	9
A St Clecting	Was electric log made of well? Yes No If yes, attach copy									1776	TQC	

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG Water Code Scc. 13752

ORIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

/ATER WELL DRILLERS REP. (Sections 7076, 7077, 7078, Water Code)

REGIONAL WATER POLLUTION	State Well No.
CONTROL BOARD No THE RESOURCES AGE	NCY OF CALIFORNIA, SO Cher Well No. 6 8 8 8 9 4
(1) OWNER:	(11) WELL LOG:
Name H. H. WHITE	Total depth 64 ft. Depth of completed well 64 ft.
Address PARON 344	Formation: Describe by color, character, size of material, and structure.
EggicTime Calle	1 " D" FINE SHAD
FURES WANG LABOR	- KINAY CLAY
(2) LOCATION OF WELL:	15 " 40" BROWN CLIFF
County SONOMH Owner's number, if any-	40 . 45 . TOTAL CLAY
R. F. D. or Street No.	45 · 50 · BR CLAY
5325 LONE PING RA SEBASTORD	50 " 64" BRAY SAND
20 FROM SOLING	44 44
18 PRUIN 51131 ST/115	41 41
(3) TYPE OF WORK (check):	14 17
New well Despening Reconditioning Abandon	40 (4
If abandonment, describe material and procedure in Item 11.	c ^c **
(4) PROPOSED USE (cbeck): (5) EQUIPMENT:	41 (1
() ===================================	**
Cable	29 19
Irrigation Test Well Other Dug Well	11 11
(6) CASING INSTALLED: If gravel packed	(1) (1)
CINCIE DOUBLE CO	65 46
From Oft. to 64 ft. 6 Diam. 12 Value of Bore ft. ft.	44 44
" " 12"10" GA	<1 11
	11
	11
	(i tt
Type and size of shoe or well ring Size of gravel: PGH	45 44
Describe joint MELDED	at 11
	14. 14
(7) PERFORATIONS:	45 44
Type of perforator used SHOP	41 (8
Size of perforations in., length, by 4 in.	
From ft. to BROUNGER, per row Rows per ft.	15 45
<u>-44 - 64 </u>	47 41
	11 (1
17 14 82 _ 74 IL 02	*1 16
	" "FOR OFFICIAL HOF AND
(8) CONSTRUCTION:	" " OFFICIAL USE UNITY
Was a surrace sanitary seat provided.	11 11
Were any strata scoled against pollution? Yes No If yes, note depth of strata	
from ft. to ft.	15 (5
Method of Sealing PURE CEMENT	Work started 5 - 1965, Completed 3 - 2 1855
	WELL DRILLER'S STATEMENT:
(9) WATER LEVELS:	This well was drilled under my jurisdiction and this report is true to the best of
Depth at which water was first found	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Standing level before perforating	NAME OF THE STATE
ding level after perforating	Address /6/TRONNEDRIVE
(10) WELL TESTS:	SANTAROSA CALIF
Was Bundlete made? Wes No If yes, by whom? DIFILLER	Sand tinker Chils theren
Yield: X, gal./min. with 50 ft. draw down after 5 hr	Signed Well Driller
Temperature of water 6.5 Was a chemical analysis made? Yes WNo	License No. 279/3 Dated 5-6, 1963
Was electric log made of well? Yes I No	FINE IRR (PEV 3.54).

a a propriess manufacture and a construction of the construction o

STATE OF CALIFORNIA THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Nº 116009

State Well No. Other Well No. 18

<i>)</i>						······					
(1) OWNI	ER:						(11) WELL I	OG:			
Name	rank] i	n "Red	" Garl	off		Total depth 6	0	ft. Depth of completed well	60_	ít.	
Address		400 Lo					Formation: Describe	by color, ch	oracter, size of material, and structure		
		ebasto			95472				ft. to		ft.
(2) LOCA					100+07		0 - 2		wn top soil		
County Son				vaer's number.			2 - 14		wn and white sand,	damp	
Township, Range		on					14 - 38		ie sandy clay		
Distance from cir				SAME			38 - 42		wn sandy clay, sof		
							42 - 48		wn sand, clay, sma	ll stre	aks_of
(3) TYPE	OF V	VORK ((check)	:					, sand		
New Well	Deep	ening 🔲	Recond	itioning 🔲	Destroyin	r 🗀	48 - 50		erse brown sand and		
if destruction,	describe	material an	d procedu	e in Item 11	•		<u>50 - 58</u>		ented gravels in s		ay,
(4) PROP					(5) EQUI	PMENT:			reaks of wet brown	_sano	
Domestic [pal 🗀	Rotary		58 - 60	Wet	brown sand		
Irrigation [] Test	: Well 🗀	Ot	her 🔲	Cable						
		<u></u>			Othe Buc l	cet 🗓		<u> </u>	···········		
(6) CASI	NG IN	STALL	ED:	_							
STEEL	. Х	OTHE	R:	13	f gravel pac	Kea					
		LE 🛮									
1	ı		Gage	Diameter	i	1					· · · · · · · · · · · · · · · · · · ·
From	To		or	of	From	To ft.		,			
ft.	ft.	Diam.	Wall	Bore	ft.	 				Marian 1 minutes 1 minutes	
0	60	3 5/8	.156	30**	<u> </u>	 60 _				<u></u>	
` <u>`</u>						<u> </u>		····	····		
	1		<u> </u>			1					
Size of shoe or t	well ring:			Size of grav	d: Pea				W-1-1-1		
Describe joint		welde									
(7) PERI											
Type of perfora	tion or nam	ne of screen	torc	<u> </u>							
	_	_	Perf.	Rows		Size					
From fr.		To E.	per row	per ft.	je	. x in.					
			1	<u> </u>	6 3/	16 × 6					
40		60			2 - 3/	<u></u>					
				1							
				1					wheels - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		
 	1			1							
(8) CON	STRII	CTION	<u> </u>						CONTI D	ENTIAL	tog-
Was a surface	conitary see	l provided?	. X. 1	No 🗆	To what depth	20],			Water C	ode Sec	. 1375 2
Were any strat				No □	If yes, not	e depth of strate					
From	fr,		ft.								
From	to	ft.				Work started	6/21/	19 7/4 , Completed 6/21/	19 74		
Method of seal			on pa	ck		WELL DRILL	ER'S STA	TEMENT:		to the hasi	
(9) WATER LEVELS: Depth at which water was first found, if known ft.							of my knowled		under my jurisdiction and this r ief.	eport is time	10 the oest
Standing level					ſt.		NAME		eks Drilling & Pum		
Standing level	•			81	ft.			(F	Person, firm, or corporation) (Typed o	or printed)	00
(10) WI							Address		00 Sebastopol Rd.		of V and
(10) W.F. Was pump tes			. X	If yes, by who	m? Bail					95477,	41V"
Vas pump tes	^	el./min. with	2/	١	down after	hrs.	[SIGNED]		rald G. Thompson	XII C	
Temperature o		cool	·	ical analysis n		No [X	By Mary		$\operatorname{hompson}^{(\operatorname{Well Drill})}/(\mathcal{N})$	14	
Was electric l			75		s, attach copy		License No	17768		- 	, 19
A Tr Clerring 1		[ር ር አለር	AITIMYCII	I LOG

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 240016

State Well No ._

City Santa Rosa, CA Zip 95401 0 - 5 Sand (2) LOCATION OF WELL (See instructions): 63-110-73 11 - 16 Fine loose gravel Well address if different from above 3659 Mt. Vernon Road 17 - 69 Brown and yellow sand Township Sebastopol Range Section 107 - 131 Noose blue gravels	of Intent No. WATER WELL DI L. Permit No. or Date 112-84	Other Well No. 06408W18
Santa Rosa, CA Sp. 95401 Sp. 95402	(1) OWNER: No. Jim Smith	(12) WELL LOG: Total depth 137 ft. Depth of completed well 137 ft.
Santa Ross, CA 2p, 95L01 0 - 5 Sand 2p Sand Sand 2p Sand 2	1511 Ridley Avenue	
South County Co	C1- 2 01	
Well Account of the provided o		**************************************
Well dickes if different from above 3009 New Verificity and the companies of the companies	(2) LOCATION OF WELL (See instructions): 63-110-73	· · · · · · · · · · · · · · · · · · ·
Comparison Com	County Owner's Well Number 3659 Mt. Vernon Road	
Comparison Com	Well address if different from above	
Section Plantic College of how. 12 137 137 138 131 137 138	Township Section Section	
(3) TYPE OF WORK: New Well Q Despening Reconstruction Reconditioning Reconstruction Reconditioning Reconstruction Distance from cities, roads, railroads, fences, etc.		
Now Well & December Reconstruction		131 131 131
Now Well & December Reconstruction		- //
Now Well & December Reconstruction	(3) TYPE OF WORK:	A
Reconditioning Reconditioning	, , , , , , , , , , , , , , , , , , ,	
Reconditioning Horistorial Well Destruction Destruction Describe	1	
Horizontal Well Destruction (Describe destructio	1	
Described Descri		(2) - 1/2
Procedures in item (4) PROFOSED USE Domestic Irrigation Irri		
WELL LOCATION SKETCH Other Other Other To Dia ft	destruction materials and	
WELL LOCATION SKETCH Display Company Co		
Irrigation Industrial		
WELL LOCATION SKETCH Stock S		
WELL LOCATION SKETCH WELL LOCATION SKETCH Other		
WELL LOCATION SKETCH Other Color		
WELL LOCATION SKETCH Other (5) EQUIFMENT: Rotary R Reverse Ce E No Sident Learner Sand Cable Bucket	Test Well	
WELL LOCATION SKETCH (5) EQUIPMENT: Rotary R Reverse (8) GRAVEL PACK: 12 23 Cable Air December of bore 122 Cable Bucket Reverse (8) FREFORATIONS: (7) CASING INSTALLED: (8) FERFORATIONS: Type of perination or exect of screen T	Stock	
(6) GRAVE PACK: 12 Cable Air Databler of fore 12 Other Bucket Reverse Databler of fore 12 (7) CASING INSTALLED: From To Dia Gase of fit fit in. Wall fit fit. O 137	Municipal	
Rotary Reverse Reverse Reverse Rotary Rain Standing Reverse Rotary Rain Reverse Rotary Rain Reverse Reverse Rotary Rain Reverse Rotary Rain Rain Rain Rain Rain Rain Rain Rain	WEDDI LOCATION	
Cable Air Dangter of bore 124 Other Bucket Plastic Concerns	(5) EQUIPMENT: (6) GRAVEL PACK: 12	
Other Bucket Recention 32 to 137 to (7) CASING INSTALLED: (8) PERFORMATIONS: Steel Plastic Concret Type of performed of screen From To Dia Case of From To Stot ft th in. Wall ft ft O 137 O CL200 97 1377 O 032 (9) WELL SEAL: Was surface sanitary seal provided? Yes No H yes, to depth 32 ft Were strain sealed against pollution? Yes No Interval ft Method of sealing Grout on pack Work started May 14 19 84 Completed May 15 19 84 (10) WATER LEVELS: Depth of first water, if known Standing level after well completion 10 ft St	Rotary Reverse O No Sillen Server Sa	
(8) PERFORATIONS: Type of performing of Steel Plastic Concrete Type of performing of Steel Type of the Steel Type of performing of Steel Type of the Steel Type of performing of Steel Type of the Steel	Cable Air	
Plastic Cohene Type of perkindin or the of screen	Other Bucket Procession 32 to 137 f	
Plastic Concrete Type of perfection or or several	(7) CASING INSTALLED: (8) PERFORATIONS:	
From ft. Pin. Wall ft. ft. size ft.		Y ·
(9) WELL SEAL: Was surface sanitary seal provided? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, to depth 32 ft. Were strata sealed against pollution? Yes \(\mathbb{I}\) No \(\mathbb{I}\) Interval ft. Method of sealing Grout on pack (10) WATER LEVELS: Depth of first water, if known 10 ft. Standing level after well completion 10 ft. Wish well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Weeks Was well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Weeks Was well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Weeks Was well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Weeks Was well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Weeks Was surface sanitary seal provided? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Weeks Was surface sanitary seal provided? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, by whom? Standing level after well completion 10 ft. Signed Gerald G. Thompson, By: Ward Thompson (Weil Driller) NAME WEEKS DRILLING AND PUMP COMPANY (Person, firm, or corporation) (Typed or printed) Address P. O. Box 176 City. Sebastopol, CA Zip. 954.72	To Die Cheer From To	
(9) WELL SEAL: Was surface sanitary seal provided? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) Hyes, to depth \(\frac{32}{32}\) ft. Were strata sealed against pollution? Yes \(\mathbb{I}\) No \(\mathbb{I}\) Interval \(\frac{11}{32}\) Method of sealing \(\mathbb{GYOUL ON pack}\) (10) WATER LEVELS: Depth of first water, if known Standing level after well completion \(\mathbb{I}\) Or \(\mathbb{I}\) ft. Standing level after well completion \(\mathbb{I}\) Or \(\mathbb{I}\) ft. Was well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) if yes, by whom? \(\mathbb{Weeks}\) Was well test made? Yes \(\mathbb{Z}\) No \(\mathbb{I}\) if yes, by whom? \(\mathbb{Weeks}\) Type of test \(\mathbb{Pump}\) \(\mathbb{D}\) \(\mathbb{D}\) if yes, by whom? \(\mathbb{Meeks}\) Depth to water at start of test \(\mathbb{I}\) \(\mathbb{D}\) in \(\mathbb{L}\). At end of test \(\mathbb{L}\) ft. Discharge \(\frac{10}{32}\) \(\mathbb{G}\) \(\mathbb{G}\) al/min after \(\mathbb{I}\) hours \(\mathbb{Meeks}\) \(\mathbb{Meeks}\) \(\mathbb{D}\) is \(\mathbb{D}\) and \(\mathbb{D}\) \(\mathbb{D}\) \(\mathbb{D}\) is \(\mathbb{D}\) and \(\mathbb{D}\) \(\	ft. ft. Wall ft. size	
(9) WELL SEAL: Was surface sanitary seal provided? Yes \(\) No \(\) If yes, to depth \(\) 32 ft. Were strata sealed against pollution? Yes \(\) No \(\) Interval \(\) Interval \(\) Mork started \(\) May \(\) 14 19 84. Completed \(\) May \(\) 15 19 84. (10) WATER LEVELS: Depth of first water, if known Standing level after well completion. (11) WELL TESTS: Was well test made? Yes \(\) No \(\) If yes, by whom? Weeks Was well test made? Yes \(\) No \(\) If yes, by whom? Weeks Was well test made? Yes \(\) No \(\) If yes, by whom? Weeks Depth to water at start of test \(\) 10 ft. At end of test \(\) 45 ft Depth to water at start of test \(\) 10 ft. At end of test \(\) 45 ft Discharge \(\) 40 gal/min after \(\) hours Water temperature COO1 Discharge \(\) 40 gal/min after \(\) hours Water temperature COO1 City \(\) Sebastopol, CA Zip \(\) 95472	700	
(9) WELL SEAL: Was surface sanitary seal provided? Yes \(\mathbb{R} \) No \(\mathbb{D} \) H yes, to depth \(32 \) ft. Were strata sealed against pollution? Yes \(\mathbb{D} \) No \(\mathbb{D} \) Interval \(\mathbb{E} \) Method of sealing \(\mathbb{G} \) Grout \(\mathbb{O} \) pack (10) WATER LEVELS: Depth of first water, if known \(\mathbb{E} \) LO' \(\mathbb{E} \) ft. Standing level after well completion \(\mathbb{D} \) \(\mathbb{E} \) \(\math		***
Was surface sanitary seal provided? Yes No If yes, to depth 32 ft. Were strata sealed against pollution? Yes No Interval ft. Method of sealing Grout on pack Work started May 14 19 84 Completed May 15 19 84 (10) WATER LEVELS: Depth of first water, if known ft. Standing level after well completion		
Was surface sanitary seal provided? Yes No If yes, to depth 32 ft. Were strata sealed against pollution? Yes No Interval ft. Method of sealing Grout on pack Work started May 14 19 84 Completed May 15 19 84 (10) WATER LEVELS: Depth of first water, if known ft. Standing level after well completion 10 ft. (11) WELL TESTS: Was well test made? Yes No If yes, by whom? Weeks No	(9) WELL SEAL:	
Were strata sealed against pollution? Yes \(\sigma\) No \(\sigma\) Interval \(\frac{ft}{ft}\) Method of sealing \(\frac{Grout on pack}{Grout on pack}\) Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Work started \(\frac{May 14}{ft}\) 19 84. Completed \(\frac{May 15}{ft}\) 19 84. Well DRILLER'S STATEMENT: This well was drilled under my jurisdiction and \(\frac{Aist}{ft}\) formological formologic		
Work started May II; 19 SA. Completed Rey I) 19 SA.		
Depth of first water, if known Standing level after well completion (11) WELL TESTS: Was well test made? Yes & No If yes, by whom? Weeks Type of test Pump Bailer & Air lift Depth to water at start of test 10 ft. At end of test 45 ft Discharge 40 gal/min after hours Water temperature COO1 Address P. O. Box 176 Signed Gerald G. Thompson, By: Ward Thompson (Well Driller) NAME WEEKS DRILLING AND PUMP COMPANY (Person, firm, or corporation) (Typed or printed) Address P. O. Box 176 City Sebastopol, CA Zip 95472	Clarate on what	77073 3141004 11414
Depth of first water, if known Standing level after well completion (11) WELL TESTS: Was well test made? Yes X No If yes, by whom? Weeks Type of test Pump Air left At end of test 45 ft Depth to water at start of test 10 ft. Discharge 40 gal/min after 1 hours Water temperature cool Discharge 40 gal/min after 2 No X S Y No No No No S Sebastopol, CA No S Sebastopo	(10) WATER LEVELS:	
Standing level after well completion (11) WELL TESTS: Was well test made? Yes X No If yes, by whom? Weeks Type of test Pump Bailer E Air lift Mark to water at start of test 10 ft. At end of test 45 ft Discharge 40 gal/min after 1 hours Water temperature cool Discharge 40 gal/min after 2 hours Water temperature cool City Sebastopol, CA Zip 95472	Depth of first water, if known	
(II) WELL 1851s: Was well test made? Yes & No If yes, by whom? Weeks Type of test Pump Bailer & Air lift NAME WEEKS DRILLING AND PUMP COMPANY Depth to water at start of test 10 ft. At end of test 45 ft Discharge 40 gal/min after 1 hours Water temperature cool NAME WEEKS DRILLING AND PUMP COMPANY (Person, firm, or corporation) (Typed or printed) Address P. O. Box 176 City Sebastopol, CA Zip 95472	Standing level after well completion	Thomason
Type of test Pump Bailer S Air lift NAME WEEKS DICTATION AND FUNT COM ART Depth to water at start of test 10 ft. At end of test 45 ft Discharge 40 gal/min after 1 hours Water temperature COO1 Discharge 40 gal/min after 1 hours Water temperature COO1 City Sebastopol, CA Zip 95472	Wis well test made? Yes No I If yes, by whom?	(Well Driller)
Depth to water at start of test 10 ft. At end of test 42 ft Discharge 40 gal/min after 1 hours Water temperature cool Address P. O. Box 176 City Sebastopol, CA Zip 95472	Type of test Pump Bailer Air lift	NAME WEEKS DRILLING AND PUMP COMPANY
Discharge 40 gal/min after 1 hours Water temperature 5552 City Sebastopol, CA Zip 95472	Depth to water at start of test 10 ft. At end of test 42	- ^ T) 1776
City Towns of the second	Discharge 40 gal/min after 1 hours Water temperature COO	C. ho stone 2 CA 75 95472
	·	City

File with DWR

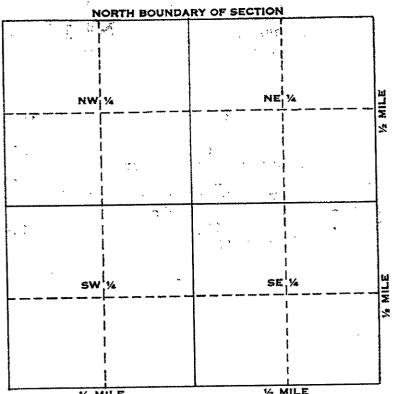
STATE OF CALIFORNIA

Do not fill in

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

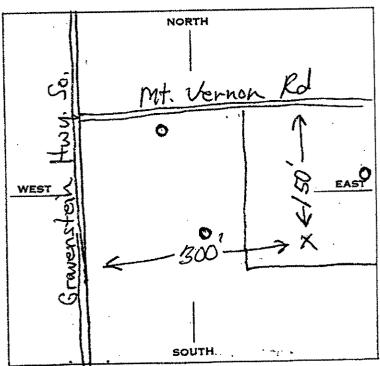
No. 083557

(1) OWNER: Name Robert Falconer	e of Intent No. WATEI	R WELL DI	RILLERS REP	ORT	State Well No
Address. 1346 Kamana Springs Rds Sarte Ross, 94. 29, 95404 (2) LOCATION OF WELL (See instructions): County. 20, 100-25000008 (3) LOCATION OF WELL (See instructions): County. 3 - 5	hand Permit No. or Date. 217-79				
Address. 1346 Kamana Springs Rds Sarte Ross, 94. 29, 95404 (2) LOCATION OF WELL (See instructions): County. 20, 100-25000008 (3) LOCATION OF WELL (See instructions): County. 3 - 5	(1) OWNER: Name Robert Falconer		(12) WELL LO	nc	79
City Sarte Ross, QA	7316 Varma Saminas	Rd.		- Total deput	ft. Depth of completed well ft.
(2) LOCATION OF WELL (See instructions): County	Santa Roma CA				
SCHOOLS Well siddress if different from phone JTI Mt Vernor Rd. Section 12 -15 Fine gravel solding water 10 -30 Sample Jay Distance from cities, reads, militude, fences, etc. 10 -30 Sample Jay 10 -40 Brown hand, saking water 40 -50 Callue ollay and samingtone So -50 Chile ollay and samingtone So -50 Chile ollay and samingtone Reconditioning Browning Chile Horizontal Well Despenies Cl Reconditioning Browning Chile Horizontal Well Despenies Cl Reconditioning Browning Chile Horizontal Well Chile Alt Cl PROPOSED 188 Dementic Institute of the phone of the ph			***************************************		W disab
Well Location Setton Well Location Setton 1	(Z) LOCATION OF WELL (See instructions):	63-11-37			
12	3711 Mt Vernon Ro				
Distance from cities, reads, salienads, lences, etc. 15	Se bastopol		<u> </u>		Walter water
30 40 Brown by saking water 40 50 Elius olly and sandstone 58 60 Brown by and sandstone 58 60 Brown sale sandstone 58 60 Brown sale sandstone 58 60 Brown sale sale sale sale sale sale sale sale			I	^-	Motorie Motocs
(3) TYPE OF WORK: New Well & Despening Reconditioning	Distance from cities, roads, milroads, fences, etc.				
(3) TYPE OF WORKS Secondation Shue clay So Shue clay So Shue clay So Shue clay So Shue clay		**************************************			
WELL LOCATION SKETCH WELL LOCATION SKETCH WELL LOCATION SKETCH WELL LOCATION SKETCH Well Steel Structure in Heart Industrial Reconditioning Horizonia Well Destruction Operation				7-1	nd sandstone
New Well 20 Desenting	· /2\ TVI	E OF MODE	<u> </u>		
Recorditioning Horizontal Well Described Struction materials gets procedures in lien level after well conjected by the conjected of the conjected by the conj	1 1 1				making water
Reconditioning			DO 1	prne cran	
Herizontal Well Destruction Objective procedures in Hein (4) PROPOSED USE Democrite Irrigation Irriga			- <u>- 1)</u>		
Destruction Describe deterrition Describe deterrition	1		<u> </u>	<u></u>	
Competition	1		1911-		
Complete Description Complete Comple	Destruction destruction	1 (Describe materials arti	1/2-	<i></i>	
Domestic Irrigation Display		, , , ,			Rale
WELL LOCATION SKETCH (5) EQUIPMENT: (6) GRAVE PACK: Cable Air Reverse Air	1	POSED DEE	1/5		
WELL LOCATION SKETCH Other (5) EQUIPMENT: (6) GRAVE PACK: Chable Air Reverse Size No Siz	Domestic				
WELL LOCATION SKETCH Other (5) EQUIPMENT: (6) CRAVEL PACK: (7) CASING INSTALLED: (8) TERFORATIONS: TOTCH The Well Stock	Irrigation			$G^*\mathcal{A}$)
WELL LOCATION SKETCH		///)			
WELL LOCATION SKETCH Other Reverse Go GRAVEL FACK: Cable Air Reverse Go GRAVEL FACK: To Casing installed: Go GRAVEL FACK: To Casing installed: Go GRAVEL FACK: Type of perficulty or size of screen Go Gravel From To Gravel From	Test Well	∨ □	/// //-	0 .	
WELL LOCATION SKETCH Other Reverse Color Nation Color Natio	Stock	₹	100 - 2	1100	
(5) EQUIPMENT: Rotary Reverse Air Size Doc 2 Cable Air Bucket Air Size Doc 300 Cher Bucket Air Reverse Air Size Doc 300 Cher Bucket Air Size Doc 300 Cher Bucket Air Concept Concep	Municipal	>	(A		,
Reverse Revers	WELL LOCATION SKETCH Other		~~~	Y	
Cable Air Bucket Bucket Air Bucket Bucket Bucket Air Bucket Air Bucket Air Bucket A	(5) EQUIPMENT: (6) GRAVBU PACK:	10 W			•
Cother		True bes			
(8) FERFORATIONS: TOrch Steel Plastic Coherete From To Dia. Calse of ft. Type of perfection or bite of screen From To Dia. Calse of ft. Type of perfection or bite of screen (9) WELL SEAL: Was surface sanitary seal provided? Yes No If yes, to depth 20 ft. Were strata sealed against pollution? Yes No Interval ft. Were strata sealed against pollution? Yes No Interval ft. Method of sealing Grout on Pack Work started 5/18 1979 Completed 5/18 1979 (10) WATER LEVELS: Depth of first water, if known 15 ft. Standing level after well completion 15 ft. (11) WELL TESTS: Was well test made? Yes No If yes, by whom? Warks Drilling & Pump Coppedition of the water at start of test 15 ft. At end of test 40 ft. This was used test made? Yes No If yes, by whom? Water temperature cool NAME Weeks Drilling & Pump Copposition (Typed og primer) NAME Weeks Drilling & Pump Copposition (Typed og primer) Address G100 Sebastopol Rd. Sebastopol Rd. City C57-177881	Chale [] Air [] Amangage of Bore	\ 	(M)-		
Steel Training Concrete Type of personand or size of screen — From To Dia. Garge of From To She fit. fit. Size — O 79 8 8 -156 39 79 826 — (9) WELL SEAL: Was surface sanitary seal provided? Yes No If yes, to depth 20 ft. — Were strata sealed against pollution? Yes No Interval ft. — Method of sealing STOUL on pack Work started 5/18 1979 Completed 5/18 1979 (10) WATER LEVELS: Depth of first water, if known Standing level after well completion 15 ft. (11) WELL TESTS: Was well test made? Yes No If yes, by whom? Waeks Bailer Air lift Depth to water at start of test 15 ft. At end of test 40 ft. The of test Pump Co. NAME Weeks Drilling & Pump Co. NAME Weeks Dril on the pump Co. NAME Weeks Drilling & Pump Co. NAME W	Other D Bucket E Lacket from	······································	3/1/1/2-		
From ft.	(7) CASING INSTALLED: (8) PERFORATIONS: T	orch	(U) -		
ft. ft. it. it. it. it. it. it. it. it. it. i	Steel M Plastic Concrete Type of perioration or some	of screen	_	-	
ft. ft. in. Wall ft. ft. size 798 \$8 - 156 39 79 866 - 186	From To Dia Gareer From To	(Sign			
(9) WELL SEAL: Was surface sanitary seal provided? Yes \(\) No \(\) If yes, to depth \(\) ft. Were strata sealed against pollution? Yes \(\) No \(\) Interval \(\) ft. Method of sealing \(\) STOUL ON Pack Work started \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 19 \(\) 19 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 19 \(\	ft. ft. Vin, Wall ft.	X Size	_		
(9) WELL SEAL: Was surface sanitary seal provided? Yes \(\) No \(\) If yes, to depth \(\) ft. Were strata sealed against pollution? Yes \(\) No \(\) Interval \(\) ft. Method of sealing \(\) STOUL ON Pack Work started \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 19 \(\) 19 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 18 \(\) 19 \(\) Completed \(\) 19 \(\	0 79 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7/8×6	_		
Was surface sanitary seal provided? Yes \(\) No \(\) If yes, to depth \(20 \) ft. Were strata sealed against pollution? Yes \(\) No \(\) Interval \(\) If. Method of sealing \(\) STOUL ON pack \(\) Work started \(\) Yes \(\) No \(\) Interval \(\) If. Method of sealing \(\) STOUL ON pack \(\) Work started \(\) Yes \(\) Yes \(\) No \(\) If yes, by whom? \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) No \(\) If yes, by whom? \(\) Yes \(\) Sebastopol, CA \(\) \(\) Yes \(\) Sebastopol, CA \(\) \(\) Yes \(<i>(1)</i>	_		
Were strata sealed against pollution? Yes No If yes, to depth 20 ft. Were strata sealed against pollution? Yes No Interval ft. Method of seating grout on pack (10) WATER LEVELS: Depth of first water, if known ft. Standing level after well completion 15 ft. (11) WELL TESTS: Was well test made? Yes No If yes, by whom? Waeks The year of test Pump Air lift NAME Weeks Drilling & Pump Co. Depth to water at start of test 15 ft. At end of test 40 ft Address Gloo Sebastopol Rd. No If yes, by whom? Water temperature Cool Sebastopol CA May 719,95472 City C57-177681		//	-		
Were strata sealed against pollution? Yes	(9) WELL SEAL:	<i>y</i>	-		
Method of sealing grout on pack (10) WATER LEVELS: Depth of first water, if known Standing level after well completion (11) WELL TESTS: Was well test made? Yes D Depth to water at start of test D Depth to wa	Was surface sanitary seal provided? Yes 💆 No 🗌 If yes, to	lepth_20_ft.			
(10) WATER LEVELS: Depth of first water, if known Standing level after well completion (11) WELL TESTS: Was well test made? Yes \(\text{D} \) No \(\text{D} \) If yes, by whom? Wacks Type of test \(\text{Pump} \) \(\text{D} \) Rt. At end of test \(\text{40} \) ft Depth to water at start of test \(\text{15} \) ft. At end of test \(\text{40} \) ft Cal analysis made? Yes \(\text{D} \) No \(\text{E} \) If yes, by whom? Water temperature Cool City \(\text{C57-177681} \) WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Signed Gerald Thompson by Ward Thompson Weeks Drilling & Pump Co. Address \(\text{6100 Sebastopol} \) Rd. Address \(\text{Sebastopol} \) City \(\text{C57-177681} \) City \(\text{C57-177681} \) City \(\text{C57-177681} \)	Were strata sealed against pollution? Yes No Interv	alft.			
Depth of first water, if known Standing level after well completion (11) WELL TESTS: Was well test made? Yes \(\text{D} \) No \(\text{D} \) If yes, by whom? Weeks The water at start of test \(\text{Pump} \) Depth to water at start of test \(\text{D} \) hours Water temperature Cool Ical analysis made? Yes \(\text{D} \) No \(\text{D} \) If yes, by whom? Water temperature Cool In this well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Signed Gerald Thompson by Ward Thompson (Well Driller) NAME Weeks Drilling & Pump Co. Address 6100 Sebastopol Rd. Sebastopol Rd. City C57-177681	Method of sealing grout on pack		Work started 5/18	1979	Completed 5/18 19/79
Standing level after well completion 15 (11) WELL TESTS: Was well test made? Yes 5 No 1 If yes, by whom? Waeks Type of test Pump 1 Bailer 1 Air lift 1 Depth to water at start of test 15 ft. At end of test 40 ft I' harge gal/min after hours	• • •				
(11) WELL TESTS: Was well test made? Yes \(\text{D} \) No \(\text{D} \) If yes, by whom? Wacks Type of test Pump \(\text{D} \) Depth to water at start of test \(\text{D} \) For harge \(\text{gal/min after} \) hours Water temperature cool Maddress Se bast topol, CA City C57-177681 Signed Gerald Thompson by Ward Thompson (Well Driller) NAME Weeks Drilling & Pump Co. Address Se bast topol, CA City C57-177681 City C57-177681			This well was drilled knowledge and belief	under my jurisdicti	on and this report is true to the best of my
Was well test made? Yes \(\buildrel{\text{Yes}} \) No \(\buildrel{\text{If yes, by whom?}} \) Waeks Type of test \(\buildrel{\text{Pump}} \) \(\buildrel{\text{If yes, by whom?}} \) Air lift \(\buildrel{\text{If yes, by whom?}} \) At end of test \(\delta \) ft Depth to water at start of test \(\delta \) ft. At end of test \(\delta \) ft Water temperature \(\delta \) (Person, \(\text{fm, or corporation} \) (Typed or printed \(\delta \) (Typed or printed \(\delta \) (Se bast topol, CA City \(\delta \) (Se bast topol, CA City \(\delta \) (C57-177681	Standing sever after well completion		1 "		Ward Thomoson
hours Water temperature COI Sebastopol, CA City Sebastopol, CA City C57-177681	Was well test made? Yes No [] If yes, by whom?		<u> </u>	(Well	
hours Water temperature COI Sebastopol, CA City Sebastopol, CA City C57-177681	Type of test Pump [Bailer]				rump Co. 00 hAO
hours Water temperature COOI Address Sebastopol, CA City Sebastopol, CA City C57-177681	Depth to water at start of testft. At end of	f test 40 ft	6100 Se	erson, firm, or corpo Dastopol Ro	ration) (Typed or printer)
fical analysis made? Yes No fig If yes, by whom?	francisco de la companya de la comp	mperature_COOL	Sebastic		Man 95179
	and the second of the second o	this report	C57-17		5/25/79



1/2 MILE 1/2 MILE A. Location of well in sectionized areas.

Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.

Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

Township Range Section No.

C 4525 1444

STATE OF CALIFORNIA

THE RESOURCES AGENCY S

No. 177445

Do not fill in

	* * * * * * * * * * * * * * * * * * *
File with DWR	DEPARTMENT OF WATER RESOURCES
N e of Intent No.	WATER WELL DRILLERS REPORT
Permit No or Date 327-84	

State Well No Other Well No. 06N08W18

Permit No. or Date 154 154	
(1) OWNER: Name Ruth M. Smith	(12) WELL LOG: Total depth 180 ft. Depth of completed well 166 ft.
Address 3617 Mt. Vernon Drive	from ft. to ft. Formation (Describe by color, character, size or material)
City Sebastopol, CA zip 95472	O - 3 Topsoil
(A) LOCATION OF WELL	3 - 9 Sandy yellow clay
(2) LOCATION OF WELL (See instructions): County Sonoma Owner's Well Number 063-110-23	9 - 12 Gravel A
Samo	12 - 23 Sticky gray clay
Well address it directent from above	23 - 30 Gravel
Township Range Section	30 - 35 Embedded gravel
Distance from cities, roads, railroads, fences, etc.	35 - 40 Still lay with gravel
	40 - 50 Sandy yellow clay
	50 - 75 Yoose sand with streaks of gravel
(3) TYPE OF WORK:	
New Well 🔯 Deepening 🖸	
Reconstruction 🗇	93 - 184 Blue Sticky clay
Reconditioning	134 - 147 Sandy Dayle clay with streaks of
Horizontal Well	- mood
Destruction [] (Describe destruction materials and	162 kodse sand with streaks of gravel
procedures in Item 12	182 - 180 Sandy green clay and sticky clay
(4) PROPOSED USE	
Domestic	
Irrigation	
Industrial	
Test Well	
Stock	
Municipal	A - 6 4
WELL LOCATION SKETCH Other	
(5) EQUIPMENT: (6) GRAVEL PACK: MONTERE X SANG	
Rotary Reverse No Size	
Cable Air Depeter of bore 6	
Other Bucket Bracket from 25 to 166	
(7) CASING INSTALLED: (8) PERFORATIONS:	
Steel Plastic & Concrete To Type of periffrance or are of screen	-
To Color	100
From To Dia. Gage of From To Sleet ft. Wall ft.	
0 166 67 CL200 88 930 1030	-
	-
(9) WELL SEAL: Was surface sanitary seal provided? Yes A No I If yes, to depth 25 ft.	
_	
Were strata sealed against pollution? Yes ☐ No ☐ Intervalft. Method of sealing Grout on pack	Work started 10/8 19 84 Completed 10/10 19 84
Wethor VI	WELL DRILLER'S STATEMENT:
(10) WATER LEVELS: Depth of first water, if known ft.	This well was drilled under my jurisdiction and his little is true to the belief of the
Standing level after well completion 16:	Wand Thompson for Carald C Thompson
(11) WELL TESTS:	Signed Ward Thompson for Gerald G. Thompson (Well Driller)
Was well test made? Yes No I If yes, by whom? WEERS	WEEKS DRILLING AND PUMP COMPANY
Type or test	(Berson, firm, or corporation) (Typed or printed)
Off College Co	
	City Sebastopq, CA Zip 77412
) al analysis made? Yes O No & If yes, by whom? Was electric log made? Yes O No & If yes, attach copy to this report	License No. C57-17-7681 Date of this report Oct. 16, 1984
Was electric log made? Yes No Z If yes, attach copy to this report	* P #

ORIGIÑAL File Original, Duplicate and Triplicate with the

WATER WELL DRILLERS REPORT (Sections 7076, 7077, 7078, Water Code) 5/9

CONTROL BOARD No. THE RESOURCES AGE	INCY OF CALIFORNIA / Other Well No A/841-18 Ja
Tasert oppropriete number)	(11) WELL LOG:
(A) OWNER:	Total depth 171 ft. Depth of completed well 171 ft.
Name Mr. Don Oakly	Formarine: Trevesibe by color, cherocter, size of moterial, and structure.
Address 3753 Mt. Vernon Road	O ft. to 3 ft. Black Soll
Sebastopol, California	3 " 30 " Yellow Clay 30 " 35 " Red Sand (some cemented)
(2) LOCATION OF WELL:	30 " 35 " Red Sand (some cemented)
County Sonoma Owner's number, if any 823-2364	49 · 62 · Tough Gray Clay
R. F. D. or Street No.	62 130 Tough Gray Clay
Off Gravenstein Hwy. by Cunningham	130 " 140 " Brown & Gray Clay &
	" " Packed Sand Cemented
	140 " 165 " Tough Gray Clay 165 " 166 " Solid Rock with gravel &
(3) TYPE OF WORK (check):	165 " 166 " Solid Rock with gravel & " sand
New well X Deepening Reconditioning Abandon	166 " 171 " Tough Gray Clay
If abandonment, describe material and procedure in Item 11.	t e at
(4) PROPOSED USE (check): (5) EQUIPMENT:	51 46
Domestic M Industrial Municipal Rotary	11 11
Cable XX	16 46
Irrigation Test Well Other Dug Well	
(6) CASING INSTALLED: If gravel packed	4< <e< td=""></e<>
SINGLE DOUBLE Gage Diameter from to	51 41
From ft. to ft. Dism. Wall of Bore ft. ft.	16 66
.0 - 171 - 8 - 188	
	14 44
21 27 27 24 45	
Type and size of shoe or well ring Size of gravel:	75 13
Describe joint	44 11
(7) PERFORATIONS:	***
	11 11
Type of perforator used Welder Size of perforations 6 in., length, by 1/8 in	
From ft. to ft. Perf. per row Rows per ft	
"161 " 171 " 4 """ 1 """	11 11
te >q	
e	
er at 14 66 th t6 48 66	£
(8) CONSTRUCTION:	
Was a surface sanitary seal provided? X Yes I No To what depth 30 for	EOR OFFICIAL USE ONLY
Were any strate scaled against pollution? Yes No If yes, note depth of strate	11 11
From fc. to fe.	
	Work started KANNNKK 1966 . Confeded February 9º 66
Method of Sealing Cemented	- January 41.
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of
Dipin at which water was hist tound	t. my knowledge and belief.
200 ding feact perpre betrough	MAMEPetersen-Crislip Drilling & Pump Co.
ling level after perforating 214 f	(Person, firm, or corporation) (Typed or printed) Address 5434 Old Redwood Hwy.
(10) WELL TESTS:	Santa Rosa, California
(10) WELL 1E313; Was a pump test made? Y Yes No If yes, by whom?	- [STONED] Pateron - Cristia Orilling of Pump Co.
Yield: 7 gal./min. with 150 ft. draw down after 2 hr	Well Driller
Temperature of water 60 Was a chemical analysis made? Yes 13-No	License No. 101c 157 Dated ACMOUNT 19 12 to
Was electric log made of well? Yes PNo	(SC-(Δ)) 87649 5.63 26M QUIN ① Δ SPO DWR 188 (REV. 3.54)

7

Do Not Fill In

ORIGINAL
File with DWR

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

STATE OF CALIFORNIA

Nº 121771

State Well No
Other Well No. 64/86-18

<i>)</i>										
(1) OWNE	R:							(11) WELL LOG:		
		es L.	Hene	'n			·	,	14	ft.
				n Rd.				Formation: Describe by color, character, size of material, and structure		
Sebast				<u> </u>	·············			O fs. to	20	ft.
(2) LOCA								brown sand & water		
	nom			wner's numb	er, if a	py		20	110	
Township, Range,								brown & yellow sand with st	reaks	3
Distance from citi			4 m	i. So	utl	of :	<u>Sebast</u>	of gravel & clay		
	300	ft.	East	of Gr	a v	enste:	in Hwy	110	114	
(3) TYPE	OF '							blue clay		
New Well K	Dec	pening 🔲	Recon	ditioning [Destroying	s 🗂			
If destruction,	describe	: material a	nd procedu	ire in Item						
(4) PROPO							PMENT:			
Domestic Z						otary				
Irrigation [] Test	t Well [J O	ther 🔲	i	able				
			. 20.0%	1	L	ther	<u> </u>			
(6) CASIN	IG II	NSTALI	ED:		1f ~-	avel pacl	ked			
STEEL		OTHE	R:		ır gı	aver paci	n.cu			
SINGLE 💢	DOUB	ILE [] —		1						
	_		Gage	Diamete	r	From	То			
From ft.	To it.	Diam.	or Wall	of Bore		ft.	ft.			
0	114	. 8 F	V8 .	188 3	30 [†]	O	114			
<i>}</i>		•								
Size of shoe or we	ll ring:	XXX		Size of gr	avel:3	/8				
Describe joins		t wel	đ				···			
(7) PERF				REEN:				2		
Type of perforesi										
	1		Perf.	Row	s					
From	1 .	ro l	ber	per		1	Size . x in.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
ft,	<u> </u>	t.	row	ft.		1111				
106	11		<u>4</u> 11		3 <u></u>		1/8 x			
82	┼—┺	37	11		18		Ħ			
61	 	-66	11		11	1	tf			
40	1	45		1		1				
(8) CONS	TRI	CTION	·	<u> </u>						
Was a surface sai				No 🕱	To w	hat depth	20 fc			
Were any strate i				No 🕞		If yes, note	depth of strate			
From	ft.		ft.							
From	ft.	to	ft.					Work started 6/28 19 76 , Completed 6/30 1976		
Method of seslin	8	sand -	slurr	<u>v</u>				WELL DRILLER'S STATEMENT:	to the	a har
(9) WAT	•	EVELS:		v				This well was drilled under my jurisdiction and this report is tr of my knowledge and belief.	He 10 100	. 0.0
Depth at which	water w	as first foun	d, if known		8	ít.				
Standing level t	before pe	rforating, if	known		17	ft.		NAME NUMBERS OF PRINCES OF PRINCES (Person, firm, or corporation) (Typed or printed)	ING	
Standing level a	fter peri	forating and	developing		17 -	ft.		¥		
(10) WEI	LL T	ESTS:			- •			Address 1924 Gravenstein Hwy. So.		
Was pump test t	nade? Y	er Lag No	• 🗆	If yes, by wl		2		Sebastoro Cal., 95472		
Kield:	5	al./mis. with		ft. drav			hrs.	[Signed] (Well Driller)		
Temperature of		e ool		nical analysis			No 🖳	V Double OF	19	76
Was electric log	made of	well? Yes		i if y	es, stta	ch copy		License No. 285516 Dated Aug 23	, .,	70

CONFIDENTIAL LOG Water Code Sec. 13752

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG Water Code Sec. 13752

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

6N/8W-18 496 Do Not Fill In

Nº 13184

CONFI	Code Se	9C+ T2	DEP	ARTMEN	T OF W	VATER RESOURCES State Well No. Other Well No.
(1) OWNE						(11) WELL LOG:
	1 *7	7 - 1-	Ana Williams			125
Name F		Jads Cavet		تبار ب	1450	Total depth ft. Depth of completed well Formation: Describe by color, cherecter, size of meterial, and structure
Address 3 5	33 4	SIVE!	3/15		7 300	7 ft. to ft.
<u> </u>	<u> </u>	WELL:	<u> </u>	<u> </u>		0-3 Noil.
(2) LOCAT	ion of Latett		mer's number, if	วกร		3 - 12 Gellow Clay
County 507 Township, Range, as		90 E	157 of	HWU	116	12-27 Fine 5xmd
Distance from cities			n' Na	ST 15	1100	27 - 45 Blue Play
Lame		6257	AND			45-53 Sanda (490g)
(3) TYPE		K (check)	, /		Ly	53 - 57 -13 (OCK IN 17 VV 8094.
New Well W	Deepening	☐ Recond	itioning 🔲	Destroying	יף כו	39 m 100 13 (we C) 24 Y
If destruction, d			e in Item 11.			100- I KIVEL WYAVEL
(4) PROPO	SED USE	(check):) EQUI	PMENT:	
Domestic X	Industrial	Municip	pal D	lotary	X	
Irrigation [Test Well			Cable Other		
	C TATOT A	TTED.		<i>,</i>	<u> </u>	
(6) CASIN		i	If g	ravel pack	ced	
STEEL:	DOUBLE [7]	THER:	Ū	•		
BINGLE				•		1 block North 87
From	To	Gage	Diameter of	From	To	MOUNT VERNON ROOM OFF
	ft. Diar		Bore	ft.	ft.	of Hwy 116
6	0 8%	188		. 14 .	-	
. 1	-					
<u> </u>						
Size of shoe or wel	L ging: A O A	127	Size of gravel:	,		
Describe joint	Sutt	- W 🖳				
(7) PERFÓ			CEENI			
Type of perforation	n or name of sci		T	1		
7	77.	Perf.	Rows per		Size	
From ft.	To ft.	row	ft.	1	x in.	
	7	1150				
<u> </u>						
			<u> </u>			
	<u> </u>					CONFIDENTIAL LOG
	TRUCTIO				12 .	ONNO DEVY
Was a surface san				what depth	denote of second	•
Were any strate s		# of	No 🗆	II yes, note	depth of strat	
From	ft. to	-7 35 ks.				Work started 9~/6 1970, Completed 9-23 1970
From	ft. to	eme	71	······································		WELL DRILLER'S STATEMENT:
Method of scaling	· · · · · · · · · · · · · · · · · · ·					This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
(9) WAT	ER LEVE	LO: found, if known		2-in		of my knowledge and belief.
Standing level b				fr.		NAME (/ 2 / 2 / 2 / 2 / 2 / 3 / 2 / 3 / 2 / 3 / 3
Standing level a				2-6 ft.		ROBALIHA Sehastopal Cat
(10) WEI	L TESTS		er Tr	st		Address 17 U, 130 X 173 2 6 0 4 5 1 0 P 0 1 , V4 1
"Jas pump test n	nade? Yes 🗌	Bail	If yes, by whom?		<u> </u>	- all a said there is he was
1:	3 O zel./min	, with	fs. drawdow		hrs.	[SIGNED] (Well Driller)
Temperature of	witer Con	 	ical analysis made		No IR	1000 NG60981 Pared 10-3 1970
Was electric log	made of well?	Yes 🗌 No 🎉	If yes, at	tach copy		License No. Dated Dated

File with DWR

STATE OF CALIFORNIA THE RESOURCES AGENCY

Do not fill in No. 239722

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

of Intent No. State Well No ._ Other Well No. 064084) 17 Permit No. or Date_ (12) WELL LOG: Total depth 155 ft. Depth of completed well 144 ft. (1) OWNER: Name William & Beatrice Allen ft. Formation (Describe by color, character, size or material) Address 3625 Gravenstein Hwy. S. 0 -Zip 95472 Topsoil City Sebastopol, CA 2 -Clayee yellow sand (2) LOCATION OF WELL (See instructions):
County Owner's Well No. _Owner's Well Number_62_030-36 3 -6 Clavee gray sand 6 -Clayee vallow sand 14 -same-Well address if different from above 14 -Pink sand\ 16 Range Section 21 Clayee yellow sand 16 Distance from cities, roads, railroads, fences, etc.____ Clare yellow sand and yellow sand 21 Yellow adnd with streaks of 42 gravel Sandy gray clay (3) TYPE OF WORK: Yellow sand and gravel New Well @ Deepening [] Reconstruction Claveexvellow and gray sand with 66 Reconditioning streaks of gravel Horizontal Well Stiff gray clay with occasional Destruction [(Describe destruction materials and procedures in Item 122 Obse streaks) Yellow sand and gravel Multi-caloved clayee sands with (4) PROPOSED TO Domestic strekes of gravels Yelllow sand and gravels with Irrigation < occasional streaks of clav Industrial Test Well Stiff blue clay Stock WELL LOCATION SKETCH Other (6) GRAVEL PACK: (5) EQUIPMENT: No P Rotary 🔯 Reverse 🔲 O Cable Air n Bucket [Other PERFORATIONS: (7) CASING INSTALLED: Type of periodal Plastic A Steel 🔲 Dia. From fł. 120 0 ... (9) WELL SEAL: No | If yes, to depth 50 Was surface sanitary seal provided? Yes A Were stratz sealed against pollution? Yes [] No [] Interval. 19<u>83</u> Grout cement on pack Work started 7/26 Method of scaling WELL DRILLER'S STATEMENT: (10) WATER LEVELS: This well was drilled under my jurisdiction and knowledge and belief. Depth of first water, if known Standing level after well completion_ SIGNED Gerald G. Thompson. (11) WELL TESTS: (Well Driller) No [] If yes, by whom? Weeks NAME WEEKS DRILLING AND PUMP COMPANY Was well test made? Yes X Air lift [Pump 🗍 Type of test Bailer 🗱 Address P. O. Box 176 (Typed or printed) At end of test 60* Depth to water at start of test. 20 gal/min after_ Water temperature COOl Sebastopol, CA i harge_ zip 95472 C57-177681 No IX If yes, by whom? Ical analysis made? Yes Date of this report August 10, 198

No [If yes, attach copy to this report

Yes 🔀

Was electric log made?

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 228635

at No.				_	State Well No	* * 1 * * * * * * * * * * * * * * * * *	
. vo. or Date			•		Other Well No. O	GNOSCUI,	
/1\ OWNTED.		/19) WETT	TOC:		220t. Depth of c	2	n8.
(1) OWNER: Name				•	e by color, character		
1700 Pollinger Icae Coboo	topol #4 05/72	0 -	4	Sandy t			
/g		4 -	15		orange and	gray sand	
(2) LOCATION OF WELL (See instruction of Sonoma Owner's W	ons): /ell Numbe <u>062–030–17-</u>		17	Yellow			
County SOITOIRA Owner's Well address if different from above 3790 Grave	nstein Hwy. So.	17 -	21	Clayee	orange and	gray sand	
Township Sebastopol Range		21 -	30		gress sand		
Distance from cities, roads, railroads, fences, etc.		30 -	35		and orange		
		35 -	40		yellow sand		
		40 _	T.		orange sand		iks
				<u> </u>	yee orange s		
	(3) TYPE OF WORK:	74/2	76		orange sand		
	New Well & Deepening	76	85		yellow sand		
*	Reconstruction	85 - \	<u> 6</u>		and orange		
	Reconditioning		121 🗸		yellow and orange sand	orange sar	10.
	Horizontal Well	1 1 100 10 1	123		orange sand		
1	Destruction (Describe destruction materials and procedures in Item 122		127		orange sand	<u> </u>	
	(4) PROPOSED USE	127	1820		Wellow sand		
	Domestic Domestic	132	[389) —		brown clay		
	Irrigation		220	Yellow			***************************************
	Industrial	(OF 7A))	-4/0	9		
	Tæst Well	(1) (V)-	$\overline{\wedge}$			**************************************	
	Stock	- (O) -	7/1	<u> </u>			
. //	Municipal	137	2/6/2				
WELL LOCATION SKETCH	Other 🔘 🗆	h	₹ 7\				
(5) EQUIPMENT: (6) GRAVEL	PACK Monterey (San	₫ ≪,-	9				
Rotary A Reverse No	Y size Fine bea						
Cable D Air D Dangeter of bo	ne1&	- <i>(((()</i>)-					
Other Bucket Packed from_	54 220	4 <i>[[]</i>]					
(7) CASING INSTALLED: (8) PERFOR	ATTORS:	10 · -					
Steel M Plastic C Concrete Type of perior	CENS	<u> </u>					
From To Dia Cage or From ft. ft. wall ft.	O To Carlo						
	ft. size						
0 208 65/8 .156 190	205 030					www.	
	Shaped wir	<u> </u>					
	111111	-					
(9) WELL SEAL: Was surface sanitary seal provided? Yes ₺ No □	If yes, to depth 54 ft.	-					
	☐ Intervalft.	-	- t- ·			4	
Method of sealing Sand grout on pack		Work started_	9/17	₁₉ 8	L Completed_	9/18 1	<u>981</u>
(10) WATER LEVELS:		WELL DRI					
Depth of first water, if known	n. A.	This well was knowledge and	drilled und belief.	ler my jurisdi ,	ction and this lenon	to the be	St by my
Standing level after well completion.		SIGNED Ger	ald G.	Thomps	on By: Wa	rd Thompen	<u>m</u>
(11) WELL TESTS: Was well test made? Yes ☒ No ☐ If yes, by	whom? Weeks	– ынст		(W	Vell Driller) ND PUMP COMI	>ANY	
Type of test Pump Bailer Bailer B	Air lift [] At end of test 120 ft	NAME	(Person	a firm, or cor	poration) (Typed or		·
Depth to water at start of test 2 ft.	Water temperature COO	Address	O. ROX	: T.\Q			
Discharge gal/min arter rous		City	astopo			$\frac{z_{ip}}{3}$ 95472	
	tach copy to this report	License No.	C57-17	LOST	Date of this report_	Sept. 21,	1981

WATER WELL DRILLERS REPORT

Do Not Fill In

DRIGINAL File with DV	WD	٠.,.		W.A	LL	Sections 7	7079, 7080, 70	S1, 7082, Water Code)	Nº	49405
LEID MITTE IN		ENTIAL ode Se	LOG	2 THE				NCY OF CALIFORNIA	_	13185
	MFIDE	de Se	C+ 10.	וווב	PAR	TMEN	T OF V	VATER RESOURCES	State Well No	
) Wa	ter oc	ential ode se							Other Well No	
(1) OWN					<u> </u>			(11) WELL LOG:		11 T
Name 🗲		الربايير	BATT	tne		< k	1.	Total depth ft.	Depth of completed well	80 tc.
Address 3				stie			50-	Formation: Describe by color, character, :	ize of material, and structure	
.\$6	Ma	Stor	701	la		2			(e. to	ft.
(2) LQC								2 = 2 · Vell	our Winy	
County			<u> </u>	ener's number	, if any			14-51 11.	Sandyn	
Township, Rans Distance from c								51-53 Blac	KMud9 V	loca_
								53-80 Yello	CO CIEY	.
(3) TYP	E OF	WORK	(check)				_	X0 - 340	HATTAVE	
New Well D If destruction	Dec	pening [itioning []		estroying	i Li			
(4) PRO					(5)	EQUI	PMENT:			
Domestic	Ind	ustrial [Munici	pal 🔲	Rot	ary				
Irrigation	Tes	t Well] Ot	her 🗌	Cab Otl		舎			
(6) CAS	TNC T	NICTALL	ED.			.CI	ليسط			
(6) CAS		OTHE		I	f grav	rel paci	ked			
SINGLE	DOUE	3FE 🗌 —							:	
			Gage	Diameter			77.			-
From ft.	To ft.	Diam.	or Wall	of Bore	'	from ft.	To ft.			
<u> </u>	18	875	188							
.)	'	-								•
		STEW A	والتحامد	Size of gra				,		
Size of shoe or Describe joint		AX		312e of Kin	Yes					
(7) PER	FORA	TIONS	OR SC	REEN:						
Type of perfo				<u> </u>	T					
_		T.	Perf.	Rows	·		Size			
From ft.		To ft.	row	ft.			. x in.			
		-11	A							
	_	10	VV							
	_			-						
	_						•		LITIAL LOG	***************************************
		UCTION					5/		DENTIAL LOG Code Sec. 1375	2
		eal provided?		No 🗆	-	at depth	depth of strat	Mary Octor	1,000	
Were 2017 str		gainst pollutic t, to	<u>n: 1es ∐</u> ft.	No 🗌		iz yes, acc				
From		t, to	ft.							<u>, 70</u>
Method of se	aling	(san	rem					WELL DRILLER'S STATEME This well was drilled under n	.N.: ny jurisdiction and this ref	port is true to the best
(9) WA	TER .	LEVELS	.3 :6 booms		2	le ít.		of my knowledge and belief.	447 1	1
		was first four perforating, i				ft.		NAME (/ A FE 77 6	m, or corporation) (Typed or	BUFY brinted)
		rforating and		4	2.	<u>Z</u> ::.,	4=	- PAR LUT	43 Sp L -	STOROL
` '		TESTS:	184			Ting.	<u> </u>	Address & O. LOOK!	J	
b.	-	Yes N	• □ • 2 :	If yes, by w)	Agomu s rom s	ter	2- hrs.	[SIGNED] Claren	es wood	oury_
Temperature		Cool		nical analysis			No 🚺	1100	(Well Driller)	3 T.7A
		of well? Yes	□ No ¥) lí y	es, attac	ь сору	-	License No. 60 101	Dated	, 19_

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

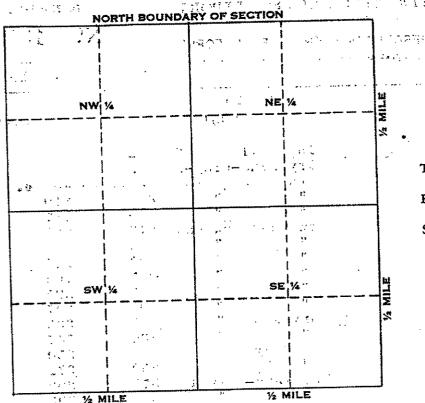
Do Not Fill In

Nº 13501

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

		State '	Well No				_
ŀ	19		Well No	M/8	>W.	ーノフ	7
7	3/	Other	M CIT 140M	7			_*
						4	6) [

4 , 15													<u></u>				
(1) OWNE	R:								(11)	WELL L	OG:						89
. ,	hn W:	ither	rs					1	Total d	eoth 3	395 t	fr.	Depth of cor	apleted wel	11	395	ft,
Address 39				n Hw	v. 9	3.				ion: Describe l	y color,						
	bast									Soil		0 ft.	2				ft.
(2) LOCA									Gry	sand.	-cle	y-21	24				
County SOY)X # X		wner's numb	or, if any	, i		Ī	Brn	sand	qk	sand	24 f	t to	45	fė.	
				WHILE B HILLIAM	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				11		11		45		110		
Township, Range, Distance from citi		llanedo esa	GAA	TATA	***				ú		11		110		117		
Distance from Cit	EE, 10245, LAI	arveus, tw.	000	A G Y V	1.13.12				Yw	sand	qk	sand	117		160	·	
(3) TYPE	OF 1970	ORK (check)	• ·					\$1		**		160		200		
New Well				· litioning [7 E	Destroying	žП		ij	,	ü		200		225		*****
If destruction,					-				ij.		13		225		<u> 265</u>		
(4) PROP						EQUI	PMEN	JT:	11		44		265		<u> 295</u>		
Domestic []						tary			11		11		295		307		
Irrigation [her	Cal			X	Gry	sand	17		307		335)	
TITIBACIOM C		022			Ot		i		17:		ĬĮ.		335		347	<u> </u>	
(6) CASIR	TC TNIS	TATE	2T) -		\ 				B1	Clay			347		350)	
` '					If gra	vel pac	ked		11				350		372	<u> </u>	
STEEL	DOUBLE	OTHER	::		•	~			B1	sand-	gra	vel	372		390	<u> </u>	······································
PHARTE VI	DOCEME	· L							#1	***************************************	#		390		395	<u> </u>	
_ 1	_		Gage	Diamete of		From	T	_			٠.		,				
From ft.	To ft.	Diam.	or Wall	Bore	- 1	ft.	ft							, ,	٠ ٠,		
	395+	811	188							<u> </u>							
÷.w/	225	- 0	100	l	1												
					_												
Size of shoe or W		b.90		Size of gr	avelt							_ČON	DIESEN	FAR T	00		
				1 v. x.			WILL						FIDEN				
(7) PERF	WELGE	ONTS C	NR SCI	REEN.	-							surer	Code	Sec.	7000		
Type of perforat																	
Type of periods:	On or anne c	1		1			······································										
r	То		Perf. per	Row	\$		Size										
From ft.	ft.		row	ft.			. x in.										
	393	,	9	9		f	ine										
383_	0.50	3		- 													
		_	***************************************														
	+																
													>		ALBI.	HOT AN	W V
(8) CON	CLBIIC,	TION	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		E							# VI	(UTT	VIAL	USE OF	Star E,
Was a surface sa				No X I	To wh	at depth		ft.									·····
Were any strata				No X		If yes, note	depth of	strata									
	ft. to		£t.														
From	ft. to		ft.						Worl	k started 1/	/ 9	19 66	. Completed	11/2	3 19	66	
From Method of scalin		- 0							WE	LL DRILLE	R'S Ş	TATEMEN	T:	•			
		y Own	Let L				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			his well was			jurisdictio	n and th	is report	is true to	the best
	ER LE		if known		372	ft.			05 71	ny knowledg	e ana v	ettej.			_	· ·	
Depth at which Standing level							, ,		NA	ME N.F		evt W	lell I	rill	Line'	• ·	
Standing level					-28	ft.	1011	L/:L				(Person, firm		on) (Typ	ed or frie	sted)	
	LL TES	¥		r te	st				~4	iress 605) S1	erra	Ave.				
(= - /	made? Yes	- 7		If yes, by w						Cot	ati	. Cal	if.				
. fmb cest		/min. with	60		vdowa 2f	ter 2		hrs.	[Sic	NED]							
Temperature of				ical analysis			No X i				5		(Well I	Oriller)			
Was electric los			~	-	es, attacl				Lice	ense No. 20		8	Dated_	11	/29,	/66	19

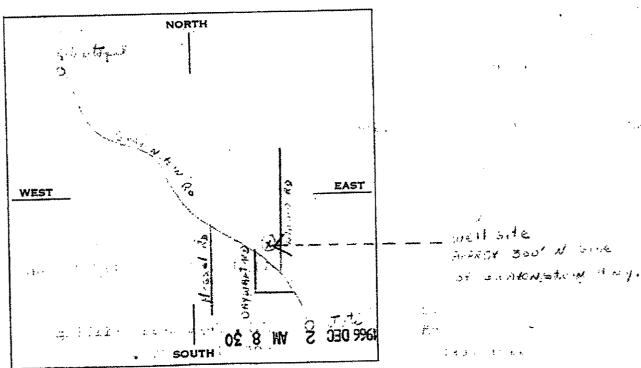


Township 8 N7%.

Range 8 P/W

Section No. 17 P

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.

Sketch roads, railroads, streams, or other featagonings.

Indicate distances.

HEADY OF MAINTENANCES.

111/12n; ec

0.00000

500.

STATE OF CALIFORNIA THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Other Well Not 8

}										71170		1.1.0.46
(1) OWN	ER:						(11) WELL	LOG:	64	6N/8	W-17.	N84x
-		***	_				Total depth	327	ft. Depth	of completed well	327	<u> </u>
Name Rai	nsome	ves	nstein H	rv			Formation: Describ	e by color, chara	seter, size of ms	terial, and structur	c	
Zuares 3	<u> </u>	ADA]	Ca. 95	472					- ft. to			ft.
(2) LOCA	TION	OF	WELL:				0-3	Topsoil			- 0	
	nene	, 02	Ov	ner's number.		877	1-18	Hard bro	wn clay	w/strks	or coar	so sand
		ion Gr	avenstei	n Hwy	Sebas	topol	18-59	Yellow s	oft cle	y		
Distance from ci							59-227	Dark bro	Troa nw	seny cl	A ALECE	K8 G1
						<u> </u>		eran s	and			e e n d
(3) TYPI	OF '	WOR	K (check)	;			227-262	Brown 8	anda cre	y strks	o of cer	ented
New Well	Dee	pening	Recond	itioning 🔲	Destroyin	g 🛘	262-327	Brown S	andy cre	y westrk	5 (2), V253111	13111111111
If destruction	, describe	e materio	al and procedur	e in Item 11.	·	CONTRACTOR TOTAL		coerse_	orona sa	ma		
(4) PRO	POSED	USE	(check):		(1) EQUI	******						
Domestic	☐ Indi	ustrial	Municip		Rotary Cable	片						
Irrigation	les les	t Well		her 🔲	Other	· H						
			rren.		O LEIVA			·				
(6) CASI	ING D		ì	If	gravel pac	ked						
STEE			THER:									······
SINGLE 🖳	DOGE	are 🗆										
_			Gage or	Diameter of	From	То				· · · · · · · · · · · · · · · · · · ·		
From ft.	To ft.	Dian	11	Bore	ft.	ft.	;					
	527	65/	8 156	121	6	22						
<u> </u>				16	22	327						

Size of shoe or	well ring:			Size of grav	rel: P							·····
Describe joins		W	elded								<u></u>	
(7) PER	FORA'	TION	S OR SCI	REEN:								
Type of perfor	en io aviser	me of ser	reen T	orch			 					
			Perf.	Rows		Size						
From fr.		To £t.	per row	per ft.	i	n. x in.		***************************************				
		·····	 									
285	32	<u> </u>	4 A ROWE	down	3,1	6 x 6"						
			THE RESERVE	ACOLUS	-	,						
(8) COI	NSTRU	JCTIC	DN:					···			***********	
Was a surface				Vo 🗆	To what depth	22 fr	r					
			lution? Yes 🗌	No 🖃	If yes, no	te depth of strat	3					·····
From	źt	. to	ft.								'	
From	fı	. to	ft.					8,9,761 LER'S STAT	CENCENT.	blered 8/14/	767	
Method of rea	ling		Grout		<u> </u>		This well	vas drilled ur	i Estiein I : eder my juris	diction and this	report is tru	ie to the best
(9) WA	TER 1	LEVE	LS:					edge and belie				
Depth at whi	ich water	was first	found, if known		ft.		NAME		7 7 <i>2</i>			278
Standing leve					ft.		NAME TY	7=K Dr 1	rson, firm, or co	rporation) (Type	d or printed)	······································
			and developing	8	ft.		Address 3	2.0. Box	7675			
(10) W				*6 4 1	3			Santa Ro	_	95402		
Was pump se				If yes, by who		hrs,	[SIGNED]	Elm h	Kind	0001	,	
) id: 20		gal./min.		ical analysis m		No 🛱		The state of the s	70	Well Driller		
Temperature	····	5 72 N			a, attach copy		License No.	245571	D	ated 8/	25,76	, 19
Was electric	ME DINGE O	* MEIIE	*** C 1402							•		

CONSIDER HAL LOGKETCH LOCATION OF WELL ON REVERSE SIDE CONSIDER HAL LOG Water Code Sec. 13752 Water Code Sec. 13752

8-72 30M TRIP OT OSP

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 245323

Permit No. or Date	Other Well No. QGNOSWIS
(I) OWNER: Name Charles Kozak	(12) WELL LOG: Total depth ft. Depth of completed well ft.
Address 6665 Sebastopol Rd.	from ft. to ft. Formation (Describe by color, character, size or material)
City. Sebastopol, Ca. Zip 95472	_
	_
(2) LOCATION OF WELL (See instructions): CountyOwner's Well Number	- ^ ·
2721 Twin Ave	0 - 10 yellow sandy clay
	· -
<u>-</u> · · · · · ·	10 _ 26 blue sandy clay
Distance from cities, roads, railroads, fences, etc.	
	26 28 brown clay
(a) TUDE OF MODE.	28 220 Xellow sandy clay
(3) TYPE OF WORK:	
New Well of Deepening	220 280 clay(w/ stringers of pea
Reconstruction	
Reconditioning □	- gravel
Horizontal Well	111- 110
Destruction [] (Describe destruction materials and procedures in Item 12%	
procedures in Item 12	
(4) PROPOSED USE	
Domestic	V - 1 0 1
Irrigation	
Industrial	
Test Well 🗆	
Stock	- (U) -
Municipal	
	- 6
The state of the s	
······································	
Cable	
Other Bucket Packet Hom	
(7) CASING INSTALLED: (8) PERFORATIONS:	
Steel Plastic A Control Type of periodical or size of screen	
From To Dia. Gage of French To Slot	
ft. ft. Wall ft.	
0 286 50 200 220 280 178	
psi	
(9) WELL SEAL:	***
Was surface sanitary seal provided? Yes X No I If yes, to depth 20 ft.	
Were strata sealed against pollution? Yes [] No [Intervalft	
Method of sealing cement	Work stated
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if known 20 ft	knowledge and belief.
Standing level after well completion	Signed JOHN FISCH by kathy baker
(11) WELL TESTS: Was well test made? Yes X No If yes, by whom? driller	(Well Driller)
Type of test Pump Bailer Air lift	NAME FISCH BROS. DRILLING INC.
Depth to water at start of test 20 ft. At end of test 100 f	1001 GLAVCIIGOCEII IIII III
Discharge 50 gal/min after 2 hours Water temperature	Sebastopol. Ca. 95472
C all analysis made? Yes [] No & If yes, by whom?	Gity.
Was electric log made? Yes D No D If yes, attach copy to this report	License No. 399226 Date of this report 6-18-82

CONTROL BOARD No.____

File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

WATER WELL DRILLERS REPORT (Sections 7076, 7077, 7078, Water Code)

				- 	3
THE	RESOURCES	AGENCY	OF	CALIFORNIA	

Tuteri eppropriale number)				
OWNER:	;	(11) WI	ELL LOG:	1
Name COTTER CONSTRUCTION CO.		Total depth	374	ft. Depth of completed well 3714 f
Address 5243 Val lee Lar	1 e	Formation: De	escribe by color, cl	boracter, size of material, and structure.
Sebastopol, California		<u>O N</u>	Ift. to 3	ft. Top Soil
Decisio vogoza,		3	·· 180	"White & Red Sand & Gravel
(2) LOCATION OF WELL:	030-54	180	<u> </u>	" White & Red Sand & Gravel
		305	<u>" 328</u>	" Blue Sand
County Sonoma Owner's number, if any— R. F. D. or Street No.		328	<u> রাত</u>	" Coarse Red Sand with traces
3731 Twig Avenue				" of Blue Sandy Clay
Sebastopol, California		3/10	<u> </u>	" Blue Sandy Clay
30028 001,011		_350_	<u> </u>	" Blue Sand & Gravel
				•
(A) THE OF WORK (-LL).			44	14
(3) TYPE OF WORK (check):	Abandon 🗍	ļ	44	**
New well A Deepening Reconditionin	_		+4	13
If abandonment, describe material and procedure in Item			14	14
(4) PROPOSED USE (check):	(5) EQUIPMENT:		<.	ţč
Domestic XX Industrial [Municipal [Rotary 🔼 Cable 🖂		45	41
Irrigation Test Well Other	Cable Dug Well		+1	£\$
			<*	4 €
(6) CASING INSTALLED:	If gravel packed		**	44
SINGLE TOUBLE TO Gage Dia	meter from to		11	£ €
	Bore ft. ft.		44	11
40 42 53	44 45		14	₹¢
	52 52		**	**
	** **		11	"
11 44 12 41 44			4.5	CONFIDENTAL LOG
47 14 44 41 45		·	44	Water Code Sec. 7080
1,700	e of gravel:	 	**	44
Describe joint			• • • • • • • • • • • • • • • • • • • •	**
(7) PERFORATIONS:			<1	41
m t-			+4 	45
*) pe de possesses anne		·	**	**
Size of perforations in., lengt	1 .	`		44
From 3/15(t. to 360 ft. 5 Perf. per		·		74
14 46 44 44 44		' 	44	44
17 96 47 49 40	., ., .,	·	**	45
y; c1 40 11 11	18 to 18	·	44	14
		:	**	" FOR OFFICIAL HER ARMS
(8) CONSTRUCTION:			• •	" Will I
Was a surface sanitary seal provided? TKYes No To wha	t depth 315 ft.	:	-1	44
Were any strate scaled against pollution? Yes No 1f yes	s, note depth of strata		Pē	
From ft. to ft.		.	**	24
14 er 4<			\ \	41
Method of Sealing Gemented		Work starte	d 8/9	196 . Completed 9/15 1906
		WELL DI	RILLER'S STA	TEMENT:
(9) WATER LEVELS:				under my jurisdiction and this report is true to the best
Depth at which water was first found	ft	- } """ \	edge and belief.	
Standing level before perforating	fr.	NAME P		ILING & PUMP COMPANY
ling level after perforating		-1		firm, or corporation) (Typed or printed) bastopol Road
(10) WEIL TECTC.		- Address		
(10) WELL TESTS:		 	Sebasto	ppol, Galifornia
Was 2 pump test made? Yes No If yes, by whom?	Pai? draw down after hrs	[SIGNED]	1/CA	M. ATT MANUSAL THOMSON. Freside
1.000; J.	draw down after hrs	. Contracts	7/7	7681 0/13/66
	THE WHERE IT FOR TOWNS	License No	•	Dated 7/2 3/00 , 19
Was electric log made of well? Yes The No		*		nWB 188 /per/ **

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES

No. 03805

Notice of Intent No. 01217	WATER WELL DI	RILLERS REPORT State Well No.
Local Permit No. or Date 1777		Other Well No. 6 N/8 W - / 8
		♦ 007
(1, OWNER: Name John & Charic	<u>tine Sergie</u>	(12) WELL LOG: Total depthft. Depth of completed well 23 ft.
Address 3735 Dwig Avenue		from ft. to ft. Formation (Describe by color, character, size or material)
cmy Separtonol, Ca.	Zip 011472	0-3 Brown Sand
		4 -12 Brown Clay& Strikes of Sand
(2) LOCATION OF WELL (See instruc	tions): Well Number	13 -16 Brown Oloy
la cho		17 -28 Blue Caly Blrown Sand
Well address it amount trout dos-		29 -49 Brown Sand Wall Gravel
TownshipRange		50 -60 Yollow Sand Stravel
Distance from cities, roads, railroads, fences, etc.		61 -79 Yoll Yend
		91 -100/Yello Send a sucvel
		101 -120 PILLOW SENA
	(A)	
	(3) TYPE OF WORK:	THE PROPERTY OF THE PROPERTY O
	New Well-E Deepening	
	Reconstruction	
	Reconditioning	178 5000 @ OMO 1 (Secretary)
	Horizontal Well	190 Arma Cler & Avevel
	Destruction [(Describe	1617 - 104 Myvol (a)
	destruction materials and procedures in Item	105 - 800 STORGOOT STORG SECURE CLEAT
'	(4) PROPOSED WAR	poo - Torree Area I Brown Olay
	Domestic _	210 - 2 Drova deva Bindsoyo Wrevel
	Irrigation	
	Industrial	
	Test Well	
	Stock	
1 may	Municipal	
WELL LOCATION SKETCH	Other C	
(5) EQUIPMENT: (6) GRAV	ED PACK:	
~ **	Vo Sizes Tall	
	((\\\)	
Other Bucket Rabbed from	DRAYTONS:	
111		
Steel Plastic Concrete Type of per	ration or size of screen	
From To Dia Cane or From		
ft. ft() in. Wall ft.	ft. size	
XX 156		
	011111111111111111111111111111111111111	
(9) WELL SEAL:	Alc	
Was muface conitory seel provided? Yes IV No		t. –
we will be will be modified and Ves []		t
Method of sealing Solicaria Coll	Scel	Work started /// 19_77 Completed 19_11
(10) WATER LEVELS:		WELL DRILLER'S STATEMENT:
Depth of first water, if known		it. This well was drilled under my jurisdiction and this report is true to the best of m
Standing level after well completion		n. knowledge and better.
(11) WELL TESTS:	a. a. a. iana	SIGNED
Was well test made? Yes E. No I If yes	, by Within	Tri-K-Drilling
Type of test	_	R (Person, firm, or corporation) (Typed or printed)
Depth to water at start of testft.		Address 2.C. Box 112 AX
Discharge gai/min area	Water temperature	City Gration, Calif
Chemical analysis made? Yes D No D If yes		License No. 240171 Date of this report
	, attach copy to this report	
L 188 (REV. 7-76) IF ADDITIONAL S	PACE IS NEEDED, USE	NEXT CONSECUTIVELY NUMBERED FORM 49816.950 7.76 50M QUAD (I)T O

WATER WELL DRILLERS REPORT

(Sections 7079, 7680, 7081, 7082, Water Code) THE RESOURCES AGENCY OF CALIFORNIA

	N	8W	- 1	معلى ا	K
سبي		SW Unf Not F	0/0	-1-1	5k)
	Do	Not F	ill I1	r í	- - -
	-				

Do 1	unploth Not Fill In
 No	46016

) <u>c</u>	ONFI	DENTAL ode se	100 c. 708	THE D				ENCY OF VATER RI			State	Well No	······································	
(1) OWI	VER:	······································						(11) WEI	L LOG:					
· 1								Total depth	59	ft	t. Deoth of compl	eted well	59	ft.
Name Address		Box 28	51.			, ,					size of material, an			
Cotati, California											ft. to		400 mm	ft.
(2) LOCATION OF WELL:								0+3 To	op Soil					
County SONOMB Owner's number, if say							3-13	3-13 Grey and Brown Sand						
Township, Range, and Section 3739 Twig Avenue Distance from cities, reads, railroads, etc. Sebastopol, California									13-17 Stiff Grey Clay					
Distance from	cities, read	, railroads, etc	. Sebas	topol,	Cal	ifor.	<u>nia</u>	211-13	White S Orange					*
(3) TYPE OF WORK (check):									Orange	Sand	v Clav			
					. n		<u>.</u> n	50-59	Orange	Sand	*			
New Well [If destruction		epening [itioning 🔲	,	estroyin	ВП							
		USE ((5)	EOUI	PMENT:					1		
Domestic	74 Ind	nstrial 🗆	Munici	pal 🖂 📗		ary					* :			
Irrigation	占 Te	t Well	Ot	her 🗍	Cab	•	Ō							
					Otl	ier	<u>. D</u>							
(6) CAS	SING I	NSTALL	ED:											
STE	EL:	OTHE	R:	1	t grav	rel pac	kea					;		
SINGLE Z	UOG :	BrE 🗆 —										Tarana ar		
	1		Gage	Diameter		_		<u> </u>			4			
From ft.	To ft.	Diam.	WEST.	of Bore	'	From ft.	To ft.			: .				
	59	18#	10	30		<u> </u>	59							<u></u>
0	77_	LON	1			·								
	†												·······	
Size of shor of	e well sing:			Size of gra	vel:	Birds	зеуе			<u> </u>				*
Describe join	*	lded												
		TIONS	OR SCI	REEN:										
Type of perfe	oration or n	me of screen	Torc	n i	г									
			Perf.	Rows			C:							
From ft.		To ft.	per row	per ft.		ìr	Size 1. x in.							
39		9	10	1 1		6 x	5/32							
				<u> </u>										
	$\neg \dagger \neg$,	
				<u> </u>					CON	PIDE	NTAL LC	\ <u>/</u> 3		
, ,		JCTION					33.		Water					
		eal provided?		No []	······	t depth	13 ft	~						
Were any st		gainst pollution		No 🗆	т.	1 yes, not	e depth of strats	+						
From		t. 10	ft. ft.					Work starts	48 Augus	t, 69	, Completed 11	. Augus	\$ 69	
From	····	cement		ck		, , , , , , , , , , , , , , , , , , ,		WELL D	RILLER'S ST	CATEM	ENT:			
Method of a					*******				ell was drilled owledge and be		my jurisdiction	and this rej	bort is	true to the best
(フ) W.	hich water	LEVELS:	d, if known			ft.	1					STRATS AS	አያቸጋል ኦሞ	v
	•••	perforating, if				ft.		NAME			ING AND E			l
		rforating and			11	ft.		-		•			*/	
-	VELL 1							Address		** * * *	OPOL ROAL CALTFORM		72	
mes bamb	test made?		-	If yes, by wh		Bai			7/1/2	OPOL	Z/1	1/10 1	ر کوسال د کوسال	
<u></u>	10	gel./min. with		***	down af		hrs.	[SIGNED] GERA		PS ON	BY: WAR	HOMPS	ON.	PRES IDENT
Temperatur		Cool		ical analysis c			No 3 C	License h	2746			igust 1		
Was electri	c log made o	f well? Yes [□ No D	<u> </u>	s, attach	wpy		The state of the s	4 4					-

CONFIDENTIAL LOG ORIGINAL FEe with DWR W. G.

STATE OF CALIFORNIA THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES SCATE Well No. 200 State Well No. 200

Do Not Fill In

·								· · · · · · · · · · · · · · · · · · ·				
(1) OWN	VER:						(11) WELI	. LOG:				
Name Re		O'Nei	1					228	ft. Depth of completed well	228	ft.	
Address 3							Formation: Describe by color, character, size of material, and structure					
			Ca. 95	472					· ft. to		ft.	
(2) LOC	ATION	SERWO	ORTI.				0-6	8-6 Brown sandy clay westrks of come				
` .	noma	COE W	۲ معربیدند ۱	unarte numbec, i	fany 374	.9	:	brown san				
		. There are		Sebast		<u> </u>	6-18	6-18 Blue sandy clay w/gravel				
Township, Ran				Denabl	2001							
Distance from	cities, roads	, railroads, e	etc.					18-35 Blue sandy clay 35-64 Blue sandy clay w/gravel				
			<u></u>				64-86					
(3) TYP			* * * .		. .				dy clay w/gravel			
New Well Despening Reconditioning Destroying If destruction, describe material and procedure in Item 11.						3 	119-151	Brown san	dy stay s/ grand			
				e in Hem 11.		***	353 364	Divin con	dy cley westrka	of tight o	 YBVA	
(4) PRO	POSED	USE	(cbeck):		(5) EQUI		191-164	Brown Bau	dy ulay nyeuras	AI PAGAME	~	
Domestic	Indi	ustrial [Munici	pal 🔲	Rotary	E	164-163	Brown san	ay cary	-4444		
Irrigation	Tes	t Well [her 🔲	Cable	· 📮	183-201	brown san	dy clay westrks	or organ-e	T.O. A. G.	
					Other				dy clay wystrks	OT LOORS		
(6) CAS	ING I	NSTAL	LED:					pes grave				
	EL: .	отн	1	If	gravel pac	ked	226-228	Hard brow	n clay			
SINGLE (
· · · · · · · · · · · · · · · · · · ·	•	. –		5 1	ı	1						
Y 2	то		Gage	Diameter of	From	To						
From ft.	fts	Diam.	Wall	Bore	ft.	ft.	·					
•	228	65, 8	156	127		22						
	1 22.0	40,0		10	22	228						
	-	}										
	<u></u>	<u> </u>	1	Size of grave	1: 19							
Size of shoe of			<u> </u>	Size of Kiave	·F							
Describe joint		Weld		TTTTNT.								
			OR SCF									
Type of perfo	oracion or na	me of screen	· 1'0	rch		<u> </u>		<u> </u>				
			Perf.	Rows		~;			,			
From	1	To	per	per		Size . x in.						
ft.		ft.	tom	ft.		· Y 1N-						
220	22	8	9 Rows	down		_ 46						
			& Rows	eround_	3, 16:	<u> </u>						
							-				<u></u>	
(8) CO	NSTRI	JCTIO	٧:									
Was a surfac				No []	o what depth	35 ft.						
Were any ser				No Ex	If yes, not	e depth of strata						
		. 30	fı.							·		
From							Work started	6, 10, 76 19	, Completed 6, 14, 76	19		
From		. to	Neat Ce	-			WELL DR	ILLER'S STATE	MENT:			
Method of se				TO FILE					er my jurisdiction and this s	report is true to the	e best	
		LEVELS			<i>2</i> _		of my know	oledge and belief.				
			end, if known		ft.		NAME T	ri-K Dril	lina			
Standing lev	vel before p	erforating,	if known		ft.		IVAML 3	(Perso	n, firm, or corporation) (Typed	or printed)		
Standing lev	vel after por	rforzting an	d developing	11	ft; '\		┨ , ,		7.000			
(10) W	ELL T	ESTS:					Address	P.O. Bex				
Was pump s	ess madel	Yes, 🗆 ?	No 🚘	li yes, by whom	17			Santa Re	19. Ca. 95402			
mid: -9		gal./min. w	ich 175	fr. drawdo	wn after	hrs.	[SIGNED]	Clark 1	Will Diller			
Temperature	e of water		Was a chemi	icel analysis ma	de? Yes 🗆	No ₽	_		V (11.00 prints)			
Was electric	log made of	fwell? Yes	No 🗔	If yes,	attach copy		License No	245571	Dated 6/23/7	'65 , 19	·	

DRIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION CONTROL BOARD No...

WATER WELL DRILLERS REP

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

. '	440,
_	State Well Nob My
2019	State Well Nob. No.

Do Not Fill In No

OWNER()		(11) WELL LOG:
Name Paul Marie		Total depth ft. Depth of completed well ft.
Address 27 60 7 Will have		Formation: Describe by color, character, size of material, and structure.
Address 3 00 Miles		ft. to ft.
Decarage (Cump		0 3 183sac
(2) LOCATION OF WELL:		
	-	3 12 Hulland
R. F. D. or Street No.		() () () () () () () () () ()
II. S. or street Ad.	0	12 19 white cay
		- Company
30/10		19 31 grand bound
		31 26 which start
(3) TYPE OF WORK (check):		10 0
Men Mell M	oandon 🔲	4 1
If abandonment, describe material and procedure in Item 11.		11
(4) PROPOSED USE (check): (5) EQUIP	WRUI:	11 11
Domestic Industrial Municipal Rotary		**
Capie	d -	" "
Irrigation Test Well U Other Dug Well		\$t 49
(6) CASING INSTALLED: If gravel pace	ked	11 41
Control of the contro	to	37 14
From ft. to ft. Dism. Wall of Boxe ft.	ft.	46 49
· · · · · · · · · · · · · · · · · · ·	£4	12 29
	ţ4	(1)
	×4	4+ ++
12 16 18 1	**	4+ 14
11 14 15 16 11		11
Type and size of shoe or well ring Size of gravel:		11 10
Describe joint		**
		41
(7) PERFORATIONS:		4 11
Type of perforator used		
Size of perforations in., length, by	în.	
From ft. to ft. Perf. per row	Rows per ft.	
tt 14	11 15 51	4+ E4
	· 11 -77	11 11
	., ,, ,,	1 11
44	<u> </u>	
(8) CONSTRUCTION:		FOR OFFICIAL USE ONLY
Was a surface sanitary seal provided? Yes Wo To what depth	ft.	44
Were any strate scaled against pollution? [] Yes []-No If yes, note depth of strat	·	41 . 11
		17 17
From ft. to ft.		7
		Work started (2/18 1956, Completed 6/20 1956
Method of Sealing		PANE TO A STATE OF THE STATE OF
(9) WATER LEVELS:		WELL DRULER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of
, and a second s	źt	
Depth at which water was first found	ft	
Standing level before perforating	ft	
ding level after perforating		Address 4731 Storts
(10) WELL TESTS:		Sepastenal Calif
Was a pump test made? U Yes No If yes, by whom?		full Market
to die democker	bri	[SIGNED] Vell Driller C/14
Yield: Carat 5	O No	License No. 149387 Dated 8/17 19
		DWR FORM NO. 246 (REV. 3-54)
Was electric log made of well? [] Yes [3-No		•

والمقار والمستوان والمستوان والمراور والمراور والمراور والمراور والمستوان والمستوان والمستوان والمستوان والمستوان

ORIGINAL File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

Do Not Fill In

17056 No

THE RESOURCES AGENCY OF CALIFORNIA

7				DE	PARTME	NT OF V	VATER RES	SOURCES 260 Other Well No. 6/R-18K
(1) OW	NER.			·			(11) WELL	LOG:
								10 ft. Depth of completed well 10 ft.
Name Herbert Sanders							Total depth	ibe by color, ebstacter, size of material, and structure
Address 758 Brush Creek Road Santa Rosa, California							Pormation: Drug	ft. toft.
(2) LOCATION OF WELL:							0-1	Topsoil
	Sonoma			wner's number,	if any		1-9	Brown Sandy Clay
County C			<u>~</u>	wifer a manuscr,		9-13	Gray Clay	
***************************************			m. 3768	Turio A	venue		13-17	Cemented Greyish white sand
Distance from cities, reads, railroads, etc. 3768 Twig Avenue Sebastopol, California							17-24	Yellow plus white clayey sand
(3) TYPE OF WORK (check):							24-40	Orange and Yellow clayey sand
New Well		epening [litioning [Destroyin	ıg 🔲		
If destruction	on, describ	e material a	ınd procedu	re in Item 11				
(4) PRC	POSEI	USE ((cbeck):		(5) EQU	PMENT:		
Domestic	: 🔀 Ind	ustrial [] Munici	pal 🗌 📗	Rotary			
Irrigation	ı 🔲 Tes	st Well [] Ot	her 🗌	Cable			
				<u> </u>	Other	Æ	 	
(6) CAS	SING I	NSTAL	LED:	T-4	f gravel pac	kod		
	EL:	ОТН	ER:	1.1	. Prayor bac		-	
SINGLE X	<u>n</u> 5001	BLE 🗌 —				•		
			Gage	Diameter	From	то		
From ft.	To ft.	Diam.	or Wall	of Bore	ft	ft.		
0	1.0	18"	12	30	0	40		
	1 20	1	 ==					
<i>J</i>	1	1						
Size of shoc o	or well ring:			Size of grav	d. Bird	зеуе		
Describe join	T.Y.	lded						CONFIDENTAL LOG
(7) PEI	RFORA	TIONS	OR SCI	REEN:				Water Code Sec. 7080
Type of perfe	oracion or n	ame of screen	Torc	<u>h</u>				
		i	Perf.	Rows				
From	3	То	per	per	1.	Size n. x in.		
ft.		ft.	row	1 ft.	1	x 3/16		
25		40	20	 	<u>~</u>	مدرر ۸		
						····	TOD AFTIC	WHAN TOOL DAILY
 		<u> </u>		 			FOR OFFIC	HAL USE UNLI
•				 				
(8) CO	NICTRI	JCTION						
		eal provided?		No 🗆	To what depth	10 ft		
		gainst pollutie		No []	If yes, no	te depth of strats	1	
From		t. to	fe.					
From		t. to	ft.				Work started	3 Dec. 1968 , Completed 4 Dec. 1968
Method of s	ealing (Cement	on Pac	k			WELL DRI	LLER'S STATEMENT: was drilled under my jurisdiction and this report is true to the best
(9) W.		LEVELS						was artified under my jurisdiction and this report is true to the source ledge and belief.
		was first fou			ft.			
		perforating, i			ft.		NAME .	Weeks Drilling & Pump Company (Person, firm, or corporation) (Typed or printed)
		rforating and	l developing	·	10 <u>ft.</u>			6100 Sebastopol Road
` '	VELL T				. D. **	,	Address	Sebastopol, California 95472
Amb.	test made?		· •	If yes, by who 25 fr. drawd			[SIGNED]	
		gel./min. wit		ical analysis m	lown after	hrs. No □X	GERALD	THOMPSON by; MARK THE THOMPSON Preside
Temperarur	re of water	i OO.	W SE & CILCO	Desi onstate 20	404 1004	~1~ [

License No. 177681 Dated 7 December , 19 68

Temperature of water COOL Was a chemical analysis made? Yes : No :

Was electric log made of well? Yes D No TK If yes, attach copy

DRIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

War electric log made of well? [] Yes [] No

WATER WELL DRILLERS RETART

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In

NO 22785

State Well No NOW 1807

Other Well No NOW 1807

STATE OF CALIFORNIA Other Well No. 06N08W 18Q 68 2270 CONTROL BOARD No... (Intert appropriate sumber) 3840 Twig Avenue (11) WELL LOG: () OWNER: 310 Total depth ft. Depth of completed well Name 🔨 Formation: Describe by color, obserector, size of material, and structure. Address ft. SAND STREAKS OF SAND RAVELY ROCKS (2) LOCATION OF WELL: 上岸头 Owner's number, if any-County SonowA STREBKS OF CLAY SAND of Sebastopol R. P. D. or Street No. 2 MILE GRAVEL SANDY -1/2 MI LONE TINER SAND & GRAVEL 162 BLUE (3) TYPE OF WORK (cleck): "205 STREAKS OF SAND Abandon 🔲 Reconditioning [New well . Deepening RAVELTCLA If abandonment, describe material and procedure in Item 11. SANDY GRAV (5) EQUIPMENT (4) PROPOSED USE (check): Rotary Domestic 🔲 Industrial 🗌 Municipal 🗍 GRAVELY Cable Irrigation [Test Well [Other Dug Well ٠, If gravel packed (6) CASING INSTALLED: ** • SINGLE TOUBLE of Bore 20 ft. From 0 ft. to 7.7 ft. | Diam. Size of gravel: BU- PER Type and size of shoe or well ring LIGHT Rull MASS 41 Describe joint MELDED (7) PERFORATIONS: Type of perforator used ARCH in., length, by Size of perforations Rows per ft. 41 .. From Ohr. to 3000 Perf. per row ٠. -- ** ** ** •• EF #8 ** ** ---41 11 ---FOR OFFICIAL USE ONLY (8) CONSTRUCTION: ft. Was a surface senitary seal provided? Was I No Po what depth Were any strate scaled against pollurion of D Vej Willo Il vel more depth of strate 7. From Completed 22 APR CHSING Work started 12 FRR Method of Sealing CEMENT GROUT OUTSIDE 16 (9) WATER LEVELS: MAGE STINGS WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this reportes true to the best of my knowledge and belief. ft. Depth at which water was first found ft. Standing level before perforating ft. ding level after perforating Address (10) WELL TESTS: West pump test made? WYes [] No If yes, by whom? WEEKS fe, draw down after gal./min. with Was a chemical analysis made? | Yes | No Temperature of water DWR FORM No. 246 (REV. 5.54) 93689 2-54 50M QUIN 🖲 6PO

VATER WELL

Do Not Fill In

6, 7077, 7078, Water Code)	N_{0}	70793
p, yayy, yaya, wanta coony	# # •	

ORIGINAL.
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION

STATE OF CALIFORNIA

	State Well No.	· /
\sim	State Well No. Other Well No. O	X NO
4 X Z K	Other Well No.	7750
ν	, , , , , , , , , , , , , , , , , , ,	4.00

Suret appropriate number)	7000
OWNER:	(11) WELL LOG:
Name HERMAN STOCK	Total depth 225 ft. Depth of completed well 225 ft.
Address 3845 Twig Avenue	Formation: Describe by color, charecter, size of materiol, and structure.
Sebastopol. California	O 6. 5 6. Top Soil 3 16 Red Sand
	16 43 Coarse Brown Sand &
(2) LOCATION OF WELL:	Small Gravel
County Sonoma Owner's number, if any	43 81 Gray Sandy Clay & Brown
R, F. D. or Street No.	Sand
3845 Twig Avenue	81 102 Blue Sandy Clay
Sebastopol, California	102 " 109 " Sand, Gravel (Coarse)
	109 " 116 " Blue Clay, Sand &
	Gravel
(3) TYPE OF WORK (check):	ndon 116 " 150 " Coarse Sand & Gravel 150 " 168 " Large Gravel with
New West LAT Despendig L	ndon 150 " 168 " Large Grave; with
1f abandonment, describe material and procedure in Item 11. (4) PROPOSED USE (check): (5) EQUIPM	
(1)	
Domestic XXIndustrial Municipal Rotary Cable	189 211 Blue Sand & Gravel
Irrigation Test Well Other Dug Well	211 225 Blue Sandy Clay
	1 (1
(0) 02.02.10	
From 0 225 8 5/8. 10 win of Bell 1/2"	0 to
From O (1, to 225 8 5/8! 10 win of Box 2 1/2"	225 "
	17 17
	tt (1)
	11 11 11
Type and size of shoe or well ring NONS Size of gravel: Pea	(1)
Describe joint Welded	
	4, 11
(7) PERFORATIONS:	
Type of perforator used Torch Size of perforations 6 in., length, by 3/1	
OI PERIORS VIOLE	Nows per ft.
110th 130.th 220 th	11 14 97 H
	1 2 1
1° 12 21 17	1 11
10 Tr	and a second sec
(8) CONSTRUCTION: Was a surface sanitary seal provided NEX Yes No. To what depth 101	fe.
Was a solving amount of the pro-	71 41
Were any strata scaled against pollution? Yes No If yes, note depth of strata	11 11
From fr. to ft.	4 } "
Method of Sealing Coment on Pack	Work started 3/18/ 19 65 Completed 3/23/ 19 6
Method of drawing Office 110 Office 12001	
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of
Depth at which water was first found	it. my knowledge and belief.
Standing level before perforating	1- NAME WEEKS DRILLING & PUMP COMPANY
sing level after perforating 40	Address 6100 (Person, firm, or corporation) (Typed or printed)
TOOTC.	
(10) WELL TESTS: Bailer	Sebastopol, galifornia
Unit 2 painty test alter.	bre. [SIGNED] CERATO THOMPS ON Driller
tielo: 40	3777.003
Temperature of water COOL Was a chemical analysis made? Yes XX Was electric log made of well? Yes XXNo	
Was electric log made of well? [] Yes and No	DWR 188 (REV 3-54)

ORIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code) THE RESOURCES AGENCY OF CALIFORNIA

State Well No	1 5 000 5 000 100
Other Well No	6/8-1819

uerl appropriate member)	(11) W/E	LL LOG:		
i) OWNER:		58	٠.	Depth of completed well 58 ft.
Name COPPER CONSTRUCTION	Total depth			r, size of material, and structure.
Address 5243 Val Lee		ft. to 2		Top Soil
Sebastopol, California	2	· 18	<1	Brown Clayey Sand with
(2) LOCATION OF WELL:		44	**	Streaks of Clay
· ·	18	<u>" 21 </u>	**	Gray Sand & Gravel
ounty Sonoma Owner's number, if any—	21	<u> </u>	11	Brown Clayey Sand with
Twig Avenue	l	" "SO	•	Seams of Gravel
Sebastopol, California	<u>28-</u> _30_	<u>" 30</u> " 32	**	Sand & Gravel Brown Clayey Sand
	32	" 34	44	Comented Sand, Gravel
			11	&mBoulders
(3) TYPE OF WORK (check):	34	" 58	**	Tight Orange Sand
New well XX Deepening Reconditioning Abandon		41	"	
f abandonment, describe material and procedure in Item 11.	ļ	**	••	
(4) PROPOSED USE (check): (5) EQUIPMENT:	<u> </u>	T-1	+1 ci	
Domestic XX Industrial Municipal Rotary		**	41	
Cable			**	
rrigation Test Well Other Dug Well		44	••	
(6) CASING INSTALLED: If gravel packed		13	44	
SINGLE MADOUBLE Gage Diameter from to	***************************************	4*	44	
From O ft. to 58 ft. G Diffett 12 Wall of Bore 30 ft. O ft.		44	(4	
		41	44	
	·	t 1	**	
2'44 41 11 11 11 11	·	14	**	
4 0 16 16	·	44		
Type and size of shor or well rins Bullnose Size of gravel: Pea	`		**	
Describe joint Welded		14	11	:
		41	**	
(7) PERFORATIONS:		41	41	
Type of perforator used Torch	-	**	۲۰	
Size of perforations 6 in., length, by 3/16 in	*	**		
From 38 ft. to 58 ft. 5 Perf. per row 1 Rows per ft	=	44	***	
(4) 4()	-	44		
	-		•	
**	-	14		•
	:	13	4.	
(8) CONSTRUCTION:		<4		FOR OFFICIAL USE ONLY
Was a surface sanitary seal provided? XXYes I No To what depth 14 f	-	14		
Were any strata scaled against pollution? Yes No If yes, note depth of strata	-	**		· · · · · · · · · · · · · · · · · · ·
From ft. to ft.		**	1	
Method of Sealing Cement on Pack			7 :	165 , Completed 11/27/ 196
Method of Sealing Cellifetts Off Lack	Work start	- <u> </u>		
(9) WATER LEVELS:		RILLER'S ST		MENT: - my jurisdiction and this report is true to the best
Depth at which water was first found f		en was armed ledge and belie,		my justification and this report to the to the
Standing level before perforating	NAME V	WEEKS D	RII	LING & PUMP COMPANY
		(Perso		or corporation) (Typed or printed) topol Road
	Address			
(10) WELL TESTS:		Sebas to	bo]	California
Was a pump test made? Yes EyNo If yes, by whom? Ra 17	- [Signed]		4	Kompian
Yield: 10 gal./min. with 22 ft. draw down after hr	_ (3.21.21.	עז קיז וך	ASC.	N-By MARY E. THOMPSON
Temperature of water COO War 2 chemical analysis mode? Yes XXNo	_ License N	10	سحور	1. Jacob

ORIGINAL File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

IIA

unplotted Do Not Fill In

State Well No ...

Co DENTAL LOG	THE RESOURCES AGENCY OF CALIFORN
Water Code Sec. 13752	DEPARTMENT OF WATER RESOURCES

	0000	ಶ್ವಿಡಚ	13752				ATER R			Other Well No.	6N/8	W-18
(1) OWN	ER:						(11) WEI	L LC	G:	4,		
Vame		eare Er	ntamo	icec			Total depth		68 ft. Dept	h of completed well	6	8 ft.
Address				nses h Court	,			escribe by	color, character, size of n	····		
7001 A20		ebas to					201011111	•	ft. to			ft.
(2) LOCA												
	onoma			waer's number.	ii anv		0	- 1	Topsoil			
Township, Rang							7	-11	Orange & Br	own Sandy (law	
distance from c			Twi	g Ave	Şebasto	Logo	77.	-23	Gray & Brow	m Sandy Cl	y w/_	
	10.00, 10.00	,			, ,				Embedded Gr	avels		
(3) TYPI	E OF	WORK	(check)	:			23	-26	White Sand			
vew Well 🔀		pening [litioning [Destroying	s 🗆	26	-32	Orange & Pi	nk Sand		
				re in Item 11.			32	-50	Brown & Whi	te Cemente	i Sand	
4) PRO					(5) EQUI	PMENT:	50	<u>ᡬᡪ</u>	Yellow & Br			
Domestic :					Rotary	X	55	-58	Brown Sticl			
Irrigation	Tes	t Well	Ot	her 🗍	Cable		58	-68	Vellow & Br	own Sand		
			,	-	Other							
(6) CASI	ING I	NSTALL	ED:						1			
• •		OTHE	1	If	gravel pack	ked						
STEE		OIHE — (\$\$⊒S	Ni		- -							
					4		,			***		
Y-0	То		Gage or	Diameter of	From	То						
From ft.	ft.	Diam.	Wali	Bore	ft.	ft.			•			
0	68	1811	10	30	0	68						
, '	- 00	10			<u> </u>							
/	-		t									
		L	I	Size of grave	ı: Pea							
Size of shoe or		ielded										
Describe joint (7) PER			OR SCIE	EEN:								
(/) PER			Tr	rch								
TANE OF DELLOIS	1	1000	_			1						
From		To	Perf. per	Rows		Size						
ft.		ft.	tom	ft.	1	. x in.						
45	68	₹ -	12	1	6	x 3/16						
45	1 0			 								
 				1								
			·····	1			Ì					
				1			1					
(8) CON	Terror	ያ ር ጉፐሚሊዮሊፕ	•	1		www	1	·····				
` '				% □ 3	to what depth	19 ft.						
Was a surface				No []	<u> </u>	depth of strace						
Were any strat			ft.				1					
From		. 10					Work starte	đ	19 , Com	pleted	19	
From ft. to ft. Method of sealing Cement Grout on Pack					WELL D	RILLER	S STATEMENT:					
						drilled under my juri	sdiction and this re	port is true	to the be			
(, , , , , , , , , , , , , , , , , , ,		LEVELS:	f if bearing		ft.		of my kno	nviedge :	and belief.			
		was first found			ft.		NAME	WER	KS DRILLING	& PUMP COM	PANY	
Standing level				: 10			1		(Person, firm, or co			
·	a setter ner		desciobing				Address	610	O Sebastopo	l Road		
Standing leve		(10) WELL TESTS: Bail										00
Standing level	ELL T		Ж.	T6 was his -k	,	psir	1	7,641	ごさび ししいししょ ・・ロ.	L-L-L-		<u> </u>
Standing level	ELL T	Yes 🗌 No	1.).	If yes, by whom	-		[SIGNED]			lif. pson W.	C.	Olla
Standing level	ELL T		孙	If yes, by whom fr. drawdo ical analysis mad	wn after	No 🏋	[SIGNED] By Mar	Ger	rald G. Thom Thompson		WER	Then

SKETCH LOCATION OF WELL ON REVERSE SIDE

Water Code Sec. 13752

ORIGINAL File Original, Duplicate and Triplicate with the

ATER WELL DRILLERS REPORT

Do Not Fill In
NO 80227

State Well No. 6/8-// K-8:

 	 707/	7077	7078	Water	Cada	

REGIONAL WATER POLLUTION	STATE OF CALIFORNIA
CONTROL BOARD No	
OWNER:	(11) WELL
me George Wilsom	Total depth 27
Address 5295 Lone Pine Road	Formation: Describe
SEBASTOPOL, CALIFORNIA	ft. to
(2) LOCATION OF WELL:	3
County SONOMA Owner's number, if a	
	ile south of 12
Lone Pine Rd. 200 ft east	of Twig Lane 13
	7.
	25
	*
(3) TYPE OF WORK (check):	13
	tioning
2 to 11 to 22 to 22	1
If abandonment, describe material and procedure in Is	(5) EQUIPMENT:
(4) PROPOSED USE (check):	
Domestic 📝 Industrial 🗌 Municipal 🗀	Rotar BUCKET Z
Irrigation Test Well Other	Dug Well "
4	TC1
(6) CASING INSTALLED:	If gravel packed
SINGLE DOUBLE Gage	Diameter from to "
From ft, to ft, Diam. Wall	of Bore ft. ft.
0 27 27" LaDs	No Gravel Pack
CONCRETE PIPE	140
<u> </u>	1, 1,
	1 1 1 1
	Size of gravel:
Type and size of shoe or well ring	44
Describe joint	l'
(7) PERFORATIONS:	*
Type of perforator used Nome	
Size of perforations in.,	lengsh, by in,
	f, per row Rows per ft. "
	41 49 44 14 19
-t -t -t-	47 44 E4
47 47 47	10 11
	•
(8) CONSTRUCTION:	where denth
Was a surface sunitary seal provided? [] Yes No To	
Were any strate sealed against pollution? Z Yes No	If yes, note depth of strata
From fr. to	ft.
0 15	
Method of Sealing 2章 yards read	y mix (6 bag) Work started
(9) WATER LEVELS:	WELL DRILL
* *	This well wa ft. my knowledge a
Depth at which water was him to	
ding level before perforating	ft. NAME
h level after perforating	Address 4625
0) WELL TESTS:	SEBASTOF
Was a pump test made? Yes No If yes, by whom?	
Yielsprox. 3 gal./min. with	fr. draw down after hrs.

Was electric log made of well? Tes No

<i></i>	1-)/ Other Well No.
11) WELL LOG	
otal depth 27 foct	
ft. to	r, character, size of material, and structure.
0 . 3	" top soil
3 10	red sandy elsy
10 1 2	" coerse white sand
12 13	" red & vellow clay
13 18	red_sandy_saley
<u> 18 25 </u>	red (quick) send
25 	red (coarse) sand
**	**
12	a >
**	**
**	
**	•
15	31
••	•
**	11
4.	15
	**
ч	••
F4	•
T-	17
£*	*1
**	*4
	FT
**	
41	14
**	**
•<	
34	41
+1	44 -
**	**
£4	£1
*1	
**	11
**	CALL USE ONLY
**	" TOTAL DOE ONLY
**	*1
**	14
**	
Work started 7/23	3/64 19 , Completed 7/24/64 19
my knowledge and beli	ed under my jurisdiction and this report is true to the best
NAME (Per	rson, firm, or corporation; (Typed or printed)
Address 4625 Ste	oetz Lane
SEBASTOPOL,	CALIF.
120	- TW. Hoolo Chi
[SIGNED]	Well Driller 9 /27 /64

ORIGINAL File with DWR

WATER WELL DRILLERS REPORT 06 NOSW 18 Do Not Fill In (Sections 7079, 7080, 7081, 7082, Water Code)

Nº 15818

(Sections 7079, 7080, 7081, 7082, Water Code)

CONFIDENTIAL LOG
13752 THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER DECOMPOSED

Wat	ter co.	-										<u> </u>		
1) OWN	VER:						(11)	WE				r41.	_	
Vame	e Hernandez, Greg							Total depth 54 ft. Depth of completed well 54 ft.						
Address				ve.			Form	ation: D	escribe l	by color,	, character, size of material, and structure	,	A	
Santa Rosa, California									<u>_</u>		ft. 10	<u></u>	ft.	
2) LOCATION OF WELL:)			opsoil	. = 3		
S On CON 2							2				ight orange & yellow	sano		
County Counties Was	ownship, Range, and Section Cor. Twig Ave. & Denver Lane							-	-		white sand			
		, railroads, etc.	A . 1.	astopo	l, Cal	Lif.	>				ed & yellow sand	P amorm	<u> </u>	
VELSUCA IVOID	Cities, toans			· ·			1.8		5		ed sand with seams o	r grave.	<u> </u>	
(2) TVD	E OF	WORK (check)	:			23		2		ed sand		: + h	
New Well [pening [Record	itioning 🔲	Destr	oying []	27		· 45	7 C	emented red & yellow	Sanu W.	7011	
destruction	m. describe	material an								S	eams of loose sand &	graven	<u> </u>	
		USE ((5) EQ	OUTPME	VT: 4	•	• 5 <u>1</u>	<u> </u>	ellow sand with smal	<u>r grave.</u>	<u> 175</u>	
(4) Killer Domestic	DE Indi	ustrial 🔲	Munici	pal 🗔 📗	Rotary		<u> </u>				-			
Domesuc Terioation	Tes	t Well	Ot	her	Cable									
miganon	. L. X	•			Other									
(C) CAS	TINICA TI	NSTALL	ED:											
	EL:X			I	f gravel	packed		,,,						
STE SINGLE ²		OTHE	K:		*									
PINGE [T 2006	LJ			1	1						<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
_		!	Gage	Diameter of	Fron	m 7	ro 🗀					,		
From ft.	To ft.	Diam.	or Wall	Bore	ft		t		<u> </u>					
Q	511	18n	· ·	30	0		54					<u></u>		
<u>×</u> _\$	+		4											
, . <u>i</u>	 			<u> </u>										
		1		Size of gra	vel: B	irdsye								
Size of shoe o		welde	đ									n ,		
Describe join	PEOD A	TIONS (REEN:										
Type of perfe		Ma of some	torch	1									<u></u>	
l ype of peri	oration of m	ine of tetes	_									,		
F		То	Perf. per	Rows		Size								
From ft.	- 1	ft.	row	ft.	ĺ	in. x in.							,,	
34		34	1	10	11,	/8 x 6								
بنار		"		1										
		-		1		,	•							
(0)	A LOUT'Y T	TOTTON	•	_1							VEIDENTIAL LOG			
		UCTION		No 🗆	To what de	epth 18:	ft.			COP	or Code Sec. 13752			
		eal provided?		No □		es, note depth e				Wate	er Code Sec. 101016			
Were any st		gainst pollution		140 U	7.						`			
From		t. 10	ft.	························				Work stat			0 19 70 , Complexed 8-10	19 70		
From		t to	fr.					WEIT	DRIII	ER'S	STATEMENT:			
Method of		<u>cement</u>	-	<u> </u>				T bis	well w	as drill	led under my jurisdiction and this r	eport is true	to the b	
(9) W.	ATER	LEVELS:	:			6.		of my k	nowled	ge and	benej.			
		was first foun		<u> </u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ft.		NAME	WEI	KS .	DRILLING & PUMP COME	YNY		
		perforsting, if			18	ft.			4 Arium 7		(Person, firm, or corporation) (Typed	or printed)		
		erforating and	developing		18	ft,		Address	610	00 S	EBASTOPOL ROAD			
(10) V	VELL 7	rests:				23	F	- P-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			OPOL, CALIFORNIA 951	172		
v pnmp	test made?	Yes 🗌 No		If yes, by wi		14		Signe			LD THOMPSON	0 1	A _	
Aid:	15	gal./min. wit			wdown after		hrs-				MATTER CON (Well Driller)		TRAM	
Temperatu	re of water	cool	Was a cher	nical analysis				ינ ע <i>ב</i> נני 	merer.	1776	THOMPSON Dated AUGUST	4500	19.4	
Was electri	ic log made	of well? Yes	□ No C	X If y	es, attach co	ру		License	No	<u> </u>	710			

Unplotted

No. 113199

ORIGINAL ' File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

.ATER WELL DRILLERS REPO (Sections 7076, 7077, 7078, Water Code)

HE RESOURCES AGENCY OF CALIFORNIA.

State Well No.

ntrol board No. + Inc	RESOURCES AGE		CALI	. •	467	& Other	Well No.		
(1) OWNER:		(11) W	ELL I	.OG:					
Name CHARLES CUNNINGHAM		Total depth	60			pth of com		60	ft.
Address P. O. Box 45		Formation: D		rcolot, chi "	rocter, si	u of moteri DD SO	il, and struct 4 7	lare.	
Millbrae, California		1	ft. to	8	· F	ine E	rown	Sand	
		8	**	17					: Grave
(2) LOCATION OF WELL:		17	"	29				inge Se	
County Sonoma Owner's number, if any-		29	• • • •	51	" B	rown	Sand		
R. F. D. or Street No.		51	**	54				ly Clay	<u></u>
5505 Lone Pine Road Sebastopol, California		54	14	57	<u> </u>	range	Sand	1 07	
Bebas copor, Carriornia		57	**	60		rown	Sand	y Clay	
				····					
(3) TYPE OF WORK (check):				***************************************	14				
	Abandon 🗌		41		"				
New well Deepening Reconditioning If abandonment, describe material and procedure in Item I	,	l	**		41	·			
	(5) EQUIPMENT:		11		1)				
() () () () () () () () () ()	Rotary KX		44		41				
Domestic XX Industrial Municipal	Cable		44		**				
Irrigation Test Well Other	Dug Well 🔲				41				
CACINIC INCTALLED.	If gravel packed		44		++			······································	· · · · · · · · · · · · · · · · · · ·
(6) CASING INSTALLED:	it graves packed		**		**				
	Bore 30 ft. O ft.		**		41 84				
From O ft. to 60t.8 51/8 10 of I	" € 0 "								
\$15 15 44 44 94.	v: · · ·	·	••		**			·····	
(t s) (t (t))	4) +1	<u> </u>	١.		41				
. 94 44 47 , 95	** **		4+		**				
95 9F 14 15 41	<4 \1	.	**						
Type and size of shoe or well ring Billnose Size	of gravel: Pea		17		44				
Describe joint Welded		:	۲٠		••		······································		
(T) DEDECT ATTONIC.			(1		**************************************				
(7) PERFORATIONS:			<t< td=""><td>,</td><td>- 11</td><td></td><td>···</td><td></td><td></td></t<>	,	- 11		···		
Type of perforator used Toroh	3/16 in	·	**		**	***************************************			
From 15 fr. to 60 fr. 6 Perf. per	4	•	**	····	11		p. 40		
THOM LO II. DO II. O I I I I I I I I I I I I I I I I		÷	<1						
44 44 14 44 44	·······	·	**		44				
45 45 44 54 45	** ** ** **		41		٠,				
c4 65 42 40 (4	41	-	4+		14				
		*	<4		12		OR OF	FICIAL I	7 A 11 11 60
(8) CONSTRUCTION:	depth ft		**		74	, 6.	On Of	FIGIAL I	SE DIVEN
Was a surface sanitary seal provided? Yes Yes To what		-	41	<u> </u>	11	1 1			
Were any strate sealed against pollution? Yes No If yes,	, note depth of strata	-			<u> </u>				
From ft. to ft.						-	***		
Method of Sealing	· · ·	Work star	red	6/4	/ "	1964.	Completed	6/5/	19 64
Method of Scaling		=			-			- 0/ 0/	<u> </u>
(9) WATER LEVELS:				R'S STA			ion and sh	is rehorf is t	rue to the best (
Depth at which water was first found	f					, jerrsuici	-vir 4114 FD	er ichoir is si	
ling level before perforating	ź:	NAME	mini.	KS TY	PTT.T	TWG:	**************************************	P COMP	ANV
. Ading level after perforating 4	£	<u>.</u>		(Person,	, nem, or	corporation		Typed or	printea)
		- Address				_	Roa	_	
(10) WELL TESTS:			<u>Se</u>	best	opo,	g Ca	lifor	<u>nia .</u>	
	Bailer	- [Signed] /	LA.	12 / S	Was or	resa	mps.	w.l
. c.u	draw down after br	<u>.</u>	ייבערט. ד	7768	1 T T (Driller	6/6/	, 19_64
Temperature of water Cool Was a chemical analyse	is made? Yes XX0	_ License l	No	1100	<u></u>	D:	ted		, 17_36.
Was electric for made of well? The Yes XIX No.		•							•

ORIGINAL File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

JATER WELL DRILLERS REP

(Sections 7076, 7077, 7078, Water Code)

,	Unp	otted
	Do	Not Fill In
	N_0	67705 N/8W-18
State	e Well No.	N/8W-18

STATE OF CALIFORNIA

)***	TO TARE TARE YOU
A.I.	Nº 67705
	State Well No 68/811-18
1605	Other Well No.

CONTROL BOARD No. 1	3605 Other Well No.
(r) OWNER:	(11) WELL LOG:
Name WAITER BLUHM	Total depth 47 ft. Depth of completed well 47 ft.
Address 5628 Lone Pine Road	Formation: Describe by color, character, size of material, and structure.
Sebastopol, California	O 1. 12 Yellow Sandy Clay
Denas robot, terrace	
(2) LOCATION OF WELL:	12 47 Pink Fine Sand
Country Sonoms Owner's number, if say-	11 (1
R. F. D. or Street No. 5628 Lone Fine Road	(* (*
Sebastopol, California	
	R
	71
	46 24
(3) TYPE OF WORK (check):	A "
New well XX Deepening [] Reconditioning [] Abandon []	2)
If abandonment, describe material and procedure in Item 11.	77 17
(4) PROPOSED USE (check): (5) EQUIPMENT:	11 11
Domestic VY Industrial Municipal Rotary	n U
Irrigation Test Well Other Dug Well	41 41
Dug wen L	11 **
(6) CASING INSTALLED: If gravel packed	17 47
SINGLETT DOUBLE GIRE	44
From Ot. to 47 ft. 10 hism. 12 were of Bore 30 tf. 0 it.	£5 £1
47	-
(1	
., ., ., ., ., ., ., ., ., ., ., ., ., .	E 1
Type and size of shoe or well ring Bullnoss Size of gravel: P88	(1 11
Describe joint Welded	***
(7) PERFORATIONS:	η 4/
Type of perforator used Porch	11 14
6 · 1 · 1 · 3 / 3 6 in	as to the second
From 27 ft. to 47 ft. 4 Perf. per tow 1 Rows per fe	E- 25 11
1	57 44
el 60 21 et 11	
12 ** 25 TE	
1 to tr	- AD OFTOIR TOT ONLY
(8) CONSTRUCTION:	
Was a surface sanitary seal provident	4 4
Were any strats scaled against pollution? Yes No If yes, note depth of stratz	(C 1)
From (c. to ft.	
1 ()	Work started 8/26/ 19 61 Completed 8/26/: 19 6
Method of Sealing	
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of
•	In this weit was articed under my furniture to a man the state of the first my knowledge and belief.
Depth at which water was first found	NAME WEEKS DRILLING & PUMP COMPANY
/ing level after perforating 15	tt. (Person, firm, or corporation) (Typed or printed)
(10) WELL TESTS:	Sebs topol California
Was a pump test made? Yes XX0 If yes, by whom? Bailer	- [SIGNED] PROMPSO
Yield: 8 gal./min. with 31 ft. draw down after hi	177681 8/30
Temperature of water COOL Was a chemical analysis made? Tes XXIIo	License No. Dated
TANK!	1

Im Malone John WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code) 53/2

ORIGINAL

File Original, Duplicate and Triplicate with the REGIONAL WATER POLLUTION

un plotted

Do	Not Fill In
N_0	123042

THE RESOURCES AGENCY OF CALIFORNIA

No	123042
te Well No.	

CONTROL BOARD No. THE RESOURCES ACTIVE PROPERTY IN THE RESOURCE PROPERTY ACTIVE PROPERTY	Other Well No. 5/ 8
OWNER:	(11) WELL LOG:
Name E. R. Kunney	Total depth 40 ft. Depth of completed well 40 ft.
Address 5635 Lone Pine Road	Formacion: Describe by color, character, size of material, and structure.
Sebastopol, California	O ft. to 3 ft. Top Soil 3 " 10 " Sandy Yellow Clay
	- 3 " 10 " Sandy Yellow Clay 10 " 13 " Grey Sand
(2) LOCATION OF WELL:	13 " 37 " Yellow Sand
County SONOMS Owner's number, if any-	- 37 " 40 " Blue Clay
R.F.D. or Street No. 5635 Lone Pine Road. Off	- "
Gravenstein Hwy.	et te
	+1 4+
	19 48
(3) TYPE OF WORK (check):	14 15
New well C Deepening □ Reconditioning □ Abandon □	43 - 45
If abandonment, describe material and procedure in Item 11.	
(4) PROPOSED USE (check): (5) EQUIPMENT:	
Domestic X Industrial Municipal Rotary Buck & Cable	92 64
Irrigation Test Well Other Dug Well	" CONFIDENTAL LOG
	" Water Code Sec. 7080
(6) CASING INSTALLED: If gravel packed	16 (4
	to ft.
31 6 11 140	
	11 11 11
22 21 24 44 47	15 46 55
es se es te et t	45 45
*((4 4) 0) 47 77	11 et 14
Type and size of shoe or well ring none Size of gravel: pea	(1)
Describe joint butt welded	t(+1
(7) DEDUCE ATIONS.	F 4 4 5
(7) PERFORATIONS:	45 45
Size of perforations 4 in., length, by 3/16	
Size of perforations 4 in., length, by 3/10 From 20 ft. to 40 ft. 4 Perf. per sow 1 Rows per	
	11 (4
15 45 41 96 15 46 76 16	11 11 11
74 es (1 es	41 41
et et et te et	" SOR OFFICIAL DOP AND
AN CONTOURNICTIONS.	" " A A SOUTH TOTE ONLY
(8) CONSTRUCTION: Was a surface sanitary steal provided? M Yes No To what depth 6	ft.
Were any strata scaled against pollution?	
	44 14
From fe. to It.	
Method of Sealing Concrete	Work started 4-28- 1966, Completed 5-2- 1966
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best o
Depth at which water was first found	ft. my knowledge and belief.
Standing level before perforating	name Les Petersen Well Drilling Co.
ing level after perforating	ft. (Person, firm, or corporation) (Typed or printed) Address #\$ 5434 Old Redwood HWY.
(10) WEIT TECTC.	
(10) WELL TESTS:	Santa Rosa, California
Was a pump test made?	hrt. [Signed] Jen Potence (chill b) Millian
Yield: 5 gal./min. with 1 rt. draw down liter Temperature of water Was a chemical analysis made? Yes XNo	C-57 License No. 106989 Dated June 9, 19 66
Was electric log made of well? Yes No	SC-61
A to the four of the part of t	DWR 188 (REV. S.

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
NO 23194
State Well No. 6 N/8 W-/8

3362 Other Well No.

OWNER:	(11) WELL LOG:
Name & D. Wills	Total depth 3 ft. Depth of completed well . ft.
Address 5660 I me Pine PX	Formation: Describe by color, character, size of material, and structure.
Sold Cald.	- 1. to 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
session -	- Lo state
(2) LOCATION OF WELL:	D & Red Class
County Janosa Owner's number, if any-	
R. F. D. or Street No.	8 13 Hellow Class
Boo you no of Lone fine	" 8 M 0 /0
400 Ment of	13 "1" Mellan Sand
man Howay to	
Change 1	17 " Sto " Red Olid Will
(3) TYPE OF WORK (bleck):	fine Pink Clay
New well Deepening Reconditioning Abandon	3(1)0 0
If abandonment, describe material and procedure in Item 11.	Je st Red See
(4) PROPOSED USE (check): (5) EQUIPMENT:	**
Domestic Industrial Municipal Rotary	16 \$1
Irrigation Test Well Other Dug Well	11
	41 41
(6) CASING INSTALLED: If gravel packed	11 11
SINGLE DOUBLE Gege Dismeter from to	11
From ft. to ft. Dizm. Wall of Bore ft. 1t.	C1 17
7 34 450	11 15
	6 6
11	2) 1
	11 11
1 ypt 42d 312c 01 80c 01 80d 10 80d 1	at 41
Describe joint	42 11
(7) PERFORATIONS:	41 16
Type of perforator used	11 11
Size of perforations in., length, by in.	11
From ft. to ft. Perf. per cow Rows per ft.	44 (7
41 41 11	* 45
1 1 1 t th	. 0 9
4 4 4 4	47 14
	FOR OFFICIAL USE ONLY
(8) CONSTRUCTION:	41 "
Was a surface stationy seal provided? Tes ONo To what depth ft.	Tet et
Were any strata scaled against pollution? The The If yes, note depth of strata	**
From ft. w ft.	11
10 01	19 S Completed 8/4 1907
Method of Sealing	Work started 8 195 Completed 8 4 190
	WELL DRILZER'S STATEMENT:
(9) WATER LEVELS:	This well was drilled under my jurisdiction and this report is true to the best of
Depth at which water was first found	
Standing level before personating	NAME OF THE OWNER OWNER OF THE OWNER
ding level after perforating	Address 4731 Solls Lange
(10) WELL TESTS:	Separtaged Call
Was 2 pump cost made? Yes No If yes, by whom?	Toll Rolland
Vield: 3 gal./min. Grid 34 Maraw down after hrs	[Signed] Well Driller
Temperature of water Was a chemical and fais made? Yes No	License No. 77 30 Dated Dated 19
Was electric log made of wall? Yes Ano	95689 3-54 50M QUIN ® 5F0 OWR FORM NO. 246 (REV. 3-54)

Do Not Fill In

ORIGINAL File with DWR

STATE OF CALIFORNIA THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES

151607

WATER WELL DRILLERS REPORT

State Well No ... Other Well No. 6N/8W-18E

}											<i>I</i>			
(1) OWN	VER:						•	(11) WELL	LOG:					
Name								Total depth 50 ft. Depth of completed well 50 ft.						
Address		5570 Lone Pine Road				Formation: Describe by color, cheracter, size of material, and structure								
Vacaress		o <u>Lone</u>		<u> </u>					0	ft. to 16		ft.		
(2) LOC								W	hite fine	sand, loose				
	Sone			ener's number	. if an	,					<u> </u>			
County Township, Ran										- 22'				
Distance from			_{c.} 3-	-1/2 mi	les	from c	ity		ravel, c	ean, black, soft	·····			
District 11000							:							
(3) TYP	E OF	WORK	(check)	:						- 45'				
New Well &		pening [itioning 🔲	. 1	Destroying	: 🗆		fine sand	with silt, white, soft				
If destructio		e material a	nd procedu	re in Item I										
(4) PRO	POSEL	USE (check):		(5)	EQUI	PMENT:			<u>- 50'</u>				
Domestic	☐ Ind	ustrial 🗌] Munici			tary	· 🗖	<u> </u>	gravei, b	rown, clean,				
Irrigation	▼ Tes	t Well [] Ot	her 🔲		ble	🖸	<u> </u>						
					Ot	her BU	cket 🔯							
(6) CAS	SING I	NSTALI	LED:		r		Fad							
STE	EL: X	OTHE	ER:	1	r gra	vel pacl	kea					-		
SINGLE K	póni	BLE [] —						3 1,1						
•	1	l	Gage	Diameter			l							
From	To	D'	or Wall	of Bore	1	From ft.	To ft.							
ft.	ft.	Diam.		30"	-	20	50							
0	50	8	188	30	十									
<u>}</u>	1	 	 		十	***								
	L	0		Size of gra	vel:	3/8" r	sea .							
Size of shoe of Describe joins		rield		3 2111 71 11-		-/	4.6.4.4							
		TIONS	OR SCI	REEN:										
		ome of screen		ot										
			Perf.	Rows										
From	- 1	To	per	per		4	Size							
ft.		ft.	row	ft.			. x in.							
30		50	2	6		2-1/2	2 × 1/8"				••••			
						 								
						<u> </u>								
				.		 								
						<u> </u>		-						
• •		UCTION		t. —	T	hat depth	10 fc.				,			
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	eal provided?		No □			depth of strate	***************************************						
-AL-THIOMPION	-	gsinst pollution	ft.	No 🐼		22 7001 220								
From		t. to t. to	ft.					Work started	6/25 1	Completed 6/26/1	<u>, 76 </u>			
Method of se		oncrete						WELL DRI	LLER'S STAT	TEMENT:		4 - 4E - E-s		
		LEVELS				***************************************		This well	was drilled un ledge and belie!	der my jurisdiction and this rep	ort is true	to the bes		
		was first four			1	6 ft.		1 ' '						
		perforating, i			***	ft.		NAME	David An	derson, A & K Drillir	lQ brinted)			
		rforating and			1	6 ft.		_	1702 D	nam Way, Petaluma,	CA 94	1952		
(10) W								Address	7700 FUE	a A A A	~/···s / = 1			
Wer pump t			lo [2]	If yes, by wh	om?				(·)	A H (L. A) A	100			
Yield:	50	gel./mis. wit	th	ft, draw	down	fter	hrs.	[SIGNED]	Vant	(Well Driller)				
Temperatur	e of water		Was a chen	sical analysis n			No ⊠X	-	307800	۸ نیر ۸ ن	aust 1	, 19_76		
Was electric	c log made o	f well? Yes	□ No D	= If ye	s, atta	ch copy		License No.	عدرمك	DatedAu		, ./		

CONFIDENTIAL LOG
Water Code Sec. 13752 SKETCH LOCATION OF WELL ON REVERSE SIDE CONFIDENTIAL LOG
Water Code Sec. 13752

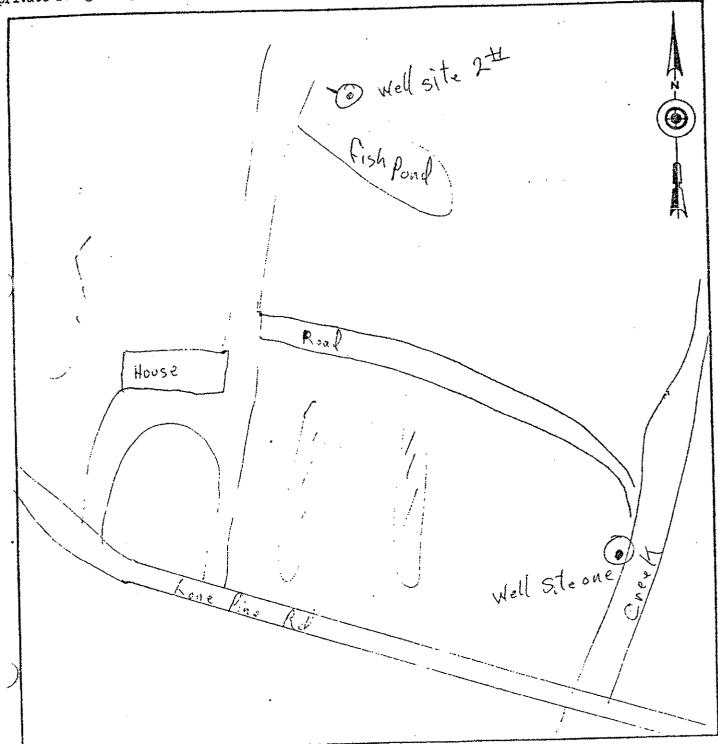
Water Code Sec. 13752

7/313 Chanate Road Santa Rosa, California 95404 Telephone 527-2711 Page 2 of 2 pages
15/607
Permit no. 449-76

WELL PERMIT APPLICATION (Plot Plan or Sketch)

Well address 5570 Lone Pine Road Sep A.P. #

Indicate below the exact location of well with respect to the following items: property lines, water bodies or water courses, drainage pattern, roads, existing wells, sewers and private sewage disposal systems. INCLUDE DIMENSIONS.



GN/8W-18 J94 Do Not Fill In

ORIGINAL file with

WATER WELL DRILLERS REPORT

DWR TIAL 13750	(Sections 7079, 7080, 7081, 7082, Water Code)
CONFIDENTIAL COLOR CONFIDENTIAL GEO. 13752	THE RESOURCES AGENCY OF CALIFORNIA 18 4
so ter	DEPARTMENT OF WATER RESOURCES

49255 State Well No.

) (#8 .	J-			DEI	. WICH INTE	111 01 11	Trans		, <u> </u>	Other Well No		
			60	T POU	NDEN	3/21/01	VIII WATER F	TOC.				
(1) OWN	ER:		4	51 SA	FORD	, , , , , , ,	(11) WELL		•		300	
Name G	H. '	Walt	ero (SANTA	<u>Rosa</u>		Total depth	292		completed well 2	<u> 192 </u>	ft.
Address 38	Mt.	Vernon	Drive		95401	Formation: Describe by color, character, size of material, and structure						
Se	topo	1, Cal	iforni	8 .			fe, to fr.					
(2) LOCATION OF WELL:							0-2		<u>Tepsoil</u>		·	-
	oma			wner's number, if	any		2-5		Fine Brow			
Township, Range, and Section 3795 Mt. Vernon Drive							5 20		<u>Brown Sar</u>			
Distance from cit				astope	1, Cal	Lif.	201-24	7	Brown sar	<u>id w/st</u>	<u>rks of</u>	*
(Cunnir				Sebas	tepol				<u>Pea Grave</u>			
(3) TYPE				:			247-29		Blue Clay		KS Of	
New Well X		pening [itioning [Destroyin	ε 🗆			<u>Pea Grave</u>	<u> </u>		
If destruction,				re in Item 11.								
(4) PROP					5) EQUI	PMENT:						
Domestic 2					Rotary	Σ						
Irrigation [Cable				<u> </u>			
Q					Other							
(6) CASI	NG II	NSTA	LLED:									
			HER:	If :	gravel pac	ked		····			<u> </u>	
SINGLEX		ILE []										
J1110	,	L										
Σ	То		Gage	Diameter of	From	То						
From ft.	ft.	Diam		Bore	ft	ft.					<u>. :</u>	
	292	8"	12	14"	0	292						
· [- 	276										···	
<i>j</i>												
Size of shoe or v				Size of gravel	pea							
Describe joint		Ad				······································				******		
(7) PERI			S OR SCI	REEN:								
Town of perform	don or no		. Mill	Factor	y Slo	ts						
Type of periors	1	1		1	Ĭ							·
From	,	ro	Perf. per	Rows		Size						
ft.		ft.	row	ft.	ir	x in.						
192	21	12	10 re	ws are	md1/8	X3"						
212	2		and 3									<u> </u>
232		52	per r		11						····	
252		72	<u> </u>	"	11						444	
272	20				19				LAITIAL	LOG		
(8) CON			N.						WIDENTIAL Set	13704		
Was a surface s				No 🗆 T	o what depth	1811 ft.		CO_L	doge Se.			
Were any strate				NoX□		e depth of strata		Wat.	91			
From		. to	ft.			_						
	·······	. to	ft.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Work started	4/22	19 70 , Complete	a 4/28	19 70	
From Method of seali	~	emen					WELL DRI	LER'S ST	ATEMENT:			
			***************************************						under my jurisdici	tion and this re	port is true	to the best
(9) WA?			ound, if known		ft.		of my knowl	eage ana ve	nej.			
Standing level					ft.		NAME TI	RI-K-	Drilling_			
Standing level					15 fc.					ation) (Typed or	r printed)	
(10) WE							Address 14	108 F	erest Vie	w Dr.		
(10) W.C			~r	If yes, by whom	Bail	•	Santa		~ ~ . ~		95401	
1 00		gal./min.	400	ft, drawdor		4 brs.	[SIGNED]	Fra		1		
fd: 20 Temperature o		F-11/11/11/		ical analysis mad		No X			(We)	(viller)		
Was also le		· ····································	77		ttach copy		License No	<u> 24557</u>	Dated	April	_28	_, 19_70

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES

Do not fill in No. 225363

State Well No. OGNOSW | 8

M "See of Intent No._ Permit No. or Date 648-85 WATER WELL DRILLERS REPORT

(1) OWNER: Name Bill Lakeland	(12) WELL LOG: Total depth 170 ft. Depth of completed well 170 ft.
Address 2948 Hillegass	from ft. to ft. Formation (Describe by color, character, size or material)
City Berkeley Zip 94705	-
(2) LOCATION OF WELL (See instructions):	n - 18 brown clay
County SONOMA Owner's Well Number 2	18 - 19 yellow sand and gravel
Well address if different from above 3798 Mt. Vernon Rd.	19 - 80 yellow sand
Townshi Sebastopol Range Section	80 -85 yellow sayd y clay
Distance from cities, roads, railroads, fences, etc.	85 - 110
60' deom Noerh peop line, 300' from	110 - 115 ye Sandy clay
Gravenstein Hwy. So., 150' from Mt.	115 - 11/ yellow gravely clay
	117 - 135 Vellow sandy clay
(3) TYPE OF WORK:	135 /150 Vellow sand and gravel
New Well [X Deepening [150 🔼 158 yellow hardpan
Reconstruction 🗆	158 - No. yellow sand and gravel
Reconditioning	186 - 170 b (Oe) 2ay
	6/11 - 1/2
Horizontal Well Destruction (Describe destruction materials approcedures in Item 12) (4) PROPOSED USE: Domestic	
destruction materials and procedures in Item 123	
Well (4) PROPOSED USE?	
200 Domestic	
Irrigation Industrial	
Stock Municipal	
Municipal	7 -6/2
WELL LOCATION SKETCH Other	
(5) EQUIPMENT: (6) GRAVEL PACK:	
Rotary XIX Reverse I NOX No Size & Size M	onteres
Cable Air Bibbeber of bore	(<u>N</u> -
Other D Bucket D Packet from 25 to 170	
(7) CASING INSTALLED: (8) PERFORATIONS:	
Steel Plastic Concrete Type of perforation or size of screen	2
From To Dia. Cage of Frence To Slot	
ft. ft. Wall ft ft.	
0 170 C1200 110 170 Q32"	screen -
(9) WELL SEAL:	-
Was surface sanitary seal provided? Yeski No I If yes, to depth 25 ft.	
Were strata sealed against pollution? Yes \(\square\) NoXX Interval ft.	e
Method of sealing pumped sand and cement	Work started 12/11/8519 Completed 12/16/85 19
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if known 18 ft.	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and project.
Standing level after well completion 20 ft.	The Charles to be the second
(11) WELL TESTS: Was well test made? YesXIX No If yes, by whom? driller	SIGNED (Well Driller)
Type of test Pump Bailer Air lift XX	NAME Nuttung & Jensen Drilling
Depth to water at start of test 20 ft. At end of test 140 ft	(Person, firm, or corporation) (Typed or printed)
Dischage 30 gal/min after 1 hours Water temperature COO	Address 1924 Gravenstein Hwy. So. Giv. Sebastopol Zip. 95472
/ A analysis made? Yes No X If yes, by whom?	City Sebastopol 7:19/86
Was electric log made? Yes O No Cy If yes, attach copy to this report	License No. 340854 Date of this report 1/19/86

File with DWR

DWR 188 (REV. 7-76)

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 225362

Permit No. or Date 647-85 WATER WELL D	State Well No. O6NOSW/8
	/19) WEIL LOC.
(1) OWNER: Name Bill Lakeland	(12) WELL LOG: Total depth 50 ft. Depth of completed well 50 ft. from ft. to ft. Formation (Describe by color, character, size or material)
AMERICA 2948 Hillegass City Berkeley zip 94705	from ft. to ft. Formation (Describe by color, character, size or material)
	0 - 16 yellow sand
(2) LOCATION OF WELL (See instructions):	16 - 18 yellow gravel
County Sonoma Owner's Well Number 1	18 - 80 yellow sand
Well address if different from above 3770 Mt. Vernon Rd.	80 - 86 yellow sapply clay
Township Sebastopo Range Section	86 - 105 (allow sand
Distance from cities, roads, railroads, fences, etc	105 - 115 yabbw gravely clay
	115 - 150 yellow sand and gravel
(3) TYPE OF WORK:	
New Well 🖾 Deepening 🗆	
Beconstruction [7]	
90' Reconditioning	
Horizontal Well	(2) - (12)
1 m	1110- 1110
Destruction (Describe destruction materials and procedures in Item 121)	
(4) PROPOSED DSE	- (%
Domestic	
Irrigation \	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Industrial	
industry Treat Well	
Stock	(11) - ((1)
Municipal	
	\(\frac{1}{2}\)
_ \ \ \ \ \ \ \ \ \ \ \ \ \	drow
121((,))	
55 150	
Other Bucket Procedure to 19 (8) PERFORATIONS:	
	D : _
From To Dia Gage of From To Slett	
	-
0 150 63 c1200 110 150 032"	-
	-
(9) WELL SEAL:	· •
Was surface sanitary seal provided? Yes \(\text{NO} \) No \(\text{If yes, to depth 55. ft. }	-
Were strata sealed against pollution? Yes NoXX Interval ft.	++
Method of sealingDumped sand and cement	Work started 2/1/819 Completed 2/16/859
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if known 18 ft.	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Standing level after well completion 25 ft.	-1
(11) WELL TESTS: Was well test made? YeX⊠ No □ If yes, by whom?driller	(Well Driller)
Type of test Pump [] Baller [] Air int. []	NAME Nutting & Jensen Drilling
Depth to water at start of test 25 ft. At end of test 150 ft	(Person, firm, or corporation) (Typed or printed)
Disch -ee 50 = gal/min after 1 hours Water temperature COOl	Separtonal 95/72
(A analysis made? Yes No Y If yes, by whom?	3/085// 1/19/88
The starting for made? Yes [] No [A If yes, attach copy to this report	License No. 340834 Date of this report 17 1978B

File with DWR

Neiche of Intent No._

STÂTE OF CALIFORNIA

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

 $\begin{array}{c} \textit{Do not fill in}\\ \textit{No.} \quad 162399 \end{array}$

State Well No._

Permit No. or Date	Other Well No. <u>06008 60170</u>
(1) OWNER: Name Margaret Blodgett	(12) WELL LOG: Total depthft. Depth of completed wellft.
2001 Hageal Rd	from ft. to ft. Formation (Describe by color, character, size or material)
Address 3991 Hessel Ru. City Sebastopol, Ca. Zip 95472	
(2) LOCATION OF WELL (See instructions): County Sonoma Owner's Well Number	0 - 2 top soil
Well address if different from above Same	2 - 28 brn. sand w/small gravel
Township OGN Range OSW Section	
Distance from cities, roads, railroads, fences, etc	28 - 118 Kallow sand
	-
,	118 - 122 white sandy clay
	100 0105
(3) TYPE OF WORK:	122 135 Vellow sandy clay
New Well 🙀 Deepening 🗆	
Reconstruction	135 - 180 blue clay w/ gravel & blue
Reconditioning	sand stringers
Horizontal Well	Min Man
Destruction (Describe destruction materials add procedures in Item 12.7)	
procedures in Item 12	
(4) PROPOSED DSE	
Domestic	
Irrigation	
Industrial	\(\int_{-\text{V}}\)
Test Well	
Stock	- 010
Municipal	-61/2
WELL LOCATION SKETCH Other	
(5) EQUIPMENT: (6) GRAVEL PACK:	

30 180	
Other Bucket Protection 100 100 100 100 100 100 100 100 100 10	
	2 -
From To Dia. Gage or From To Slott	
	**
psi	
	77
(9) WELL SEAL: Was surface sanitary seal provided? Yes 5 No □ If yes, to depth 20 ft.	
Were strata sealed against pollution? Yes No X Interval ft. Method of sealing cement	Work started 8-27 1984 Completed 8-28 19 84
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if knownft.	This well was drilled under my jurisdiction and this report is true to the best of my
Standing level after well completion 45 ft.	knowledge and belief.
(11) WELL TESTS:	SIGNED DALE THEISS by kathy baker (Well Driller)
Was well test made? Yes X No I If yes, by whom? driller Type of test Pump Bailer A Air lift	NAME FISCH BROS. DRILLING INC.
Depth to water at start of test 45 ft. At end of test 175 ft	10 (Person, first, on corporation). (Typed or printed)
Discharge 10 gal/min after 4 hours Water temperature	Address 5001 Gravenscolling Hwy . N.
cal analysis made? Yes \(\sigma\) No \(\sigma\) If yes, by whom?	City Sebastopol, Ca. Zip 95472
Was electric log made? Yes No & If yes, attach copy to this report	License No DN399226 Date of this report 8-29-84

War electric log made of well? Yes No

YATER WELL DRILLERS REF TT (Sections 7076, 7077, 7078, Water Code)

Do Not Fill In 70905

			- <i>f</i>
7878. V	Tates Co	de)	,

File Original, Duplicate and Triplicate with the	
REGIONAL WATER POLLUTION STATE OF C	ALIFORNIA State Well No.
CONTROL BOARD No.	446 Other Well No. 2 6
eert shbrobriate number)	(11) WELL LOG:
(A) OWNER:	·
Name Asa Horn	Total depth ##33 ft. Depth of completed well 33 ft.
Address 5331 Todd Road	Formation: Describe by color, character, size of material, and structure. ft. to ft.
SEBASTOPOL, VALIF.	0 1 top soil
	1 3 brown clay
(2) LOCATION OF WELL:	3 5 sticky brown clay
County SONOMA Owner's number, if any— R. F. D. or Street No. 3211 Gravenstein Hwy. So. Sebasto	
R. F. D. or Street No. 3211 Gravenstein Hwy. So. Sebasto	11 15 brown sandy clay
75 ft east of Old Gravenstein Hwy.	15 18 large clean gravel
100 ft. south of Todd Rd.	18 26 blue sandy clay
	26 33 brown sandy clay
	11 11
(3) TYPE OF WORK (check):	1 11
New well Deepening □ Reconditioning □ Abandon □	t t
If abandonment, describe material and procedure in Item 11.	11 11
(4) PROPOSED USE (check): (5) EQUIPMENT:	16 77
Domestic I Industrial Municipal Rotary bucket	PC P(
Irrigation Test Well Other Cable Dug Well	fr 15
	t 14
(6) CASING INSTALLED: If gravel packed	
Control of the contro	
From ft. to ft. Diam, Wall of Bore ft.	X E de Marie Comment
. 0 33 36" I.D. 49" 12 33"	
CONCRETE PIPE	
	(t)
	. 6 4
Type and size of shoe or well ring Size of gravel: 3/4 grave	* 1
Describe joint	11 12
(7) PERFORATIONS:	11 11
Type of perforator used	***
Size of perforetions in., length, by in.	tt 11
From fr. to ft. Perf. per row Rows per ft.	11 11
20 21 21 22 25 25 26 28	11
** ** ** ** ** ** ** ** ** ** ** ** **	43 - 41
12 40 11 12 15 17 17 17	4
47 11 11 11 11 11 11 11 11 11 11 11 11 11	* 1
(A) AA107771/AY.	" " " " " " " " " " " " " " " " " " "
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes No To what depth ft.	" " TUK OFFICIAL USE ONLY
Were any streta scaled against pollution? MI Yes No If yes, note depth of strata	
From ft. to ft.	
14-1-3-10-11-2	29 Completed 12 19
Method of Sealing 2 yards of Redi Mix	12/5/63
(9) WATER LEVELS:	WELL DRILLER'S STATEMENT:
ft.	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Debtg at Aprico Astet Att met 104mg	
Scapding level before perforating ft. Sing level after perforating ft.	TAME PALICULE FOURTH
) just the water between the	Address 4625 Stootz Lane (Typed or printed)
(10) WELL TESTS:	SEBASTOROL, CALIF.
Was a pump test made? Yes No If yes, by whom?	1111-10/3/11/11
Yieldstoroxa 5 gal./min. with ft. draw down after bre.	
Temperature of water COO! Was a chemical analysis made? Yes W No	License No. 185456 Dated 1/11/64 19

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in No. 177236

State Well No...

P of Intent No. WATER WEI	LL DRILLERS REPORT State Well No.
1. Permit No. or Date	Other Well No. 06N 08(D S
(1) OWNER: Name Kathleen Lowenthal	(12) WELL LOG: Total depth240 ft. Depth of completed well 230 ft.
2030 No. Commonwealth	from ft. to ft. Formation (Describe by color, character, size or material)
Tog Angeles CA - 900	0 - 2 Topsoil
	2 - 12 Sandy brown clay
(2) LOCATION OF WELL (See instructions): 063-1	10-06 12 - 22 Loose sand and gravel
County Owner's Well Number Well address if different from above 3241 Old. Gravenstein F	
	32 - 37 Clayee blue green sand
Township Sebastopol Range Section	37 - 39 Olayee light gray sand
Distance from cities, roads, railroads, fences, etc.	39 - 53 Claree brown sand
	53 - 56 Stint yellow clay
	58 - 75 Yellow sand
(3) TYPE OF V	
New Well D Deep	
Reconstruction	95 - 105 Clayee orange sand
Reconditioning	D NO5 - 175 Yellow and orange sand
Horizontal Well	□ 38 - 210 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Destruction □ (De destruction material procedures in Item	210 - 212 Stiff yellow they
(4) PROPOSED	1
Domestic	
Irrigation	sand
Industrial	
Test Well	
' 1	2/11/2
Stock	
Municipal	
WELL LOCATION SKETCH Other	Sand 7
(5) EQUIPMENT: (6) GRAVET PACE PACE PACE PACE PACE PACE PACE PACE	A Salaria Company
Rotary & Reverse No Size	
Cable Air Transfer of bore 0 3/4	230 4
Other Bucket Packet from 24 to 2	
(7) CASING INSTALLED: (8) PERFORATIONS: WebCO Screens Steel Plastic Concrete Type of perforation or size of screen	
Steel Plastic E Coherete Type of persentition or size of screen	
From To Dia Garge of From To	Sion
it. it vin. Wall fit. ft. O 230 Sit CI200 140 145	8
0 230 5' CI200 140 145 105-2100 180-185 205-2100	8030 -
	030 -
	3000
(9) WELL SEAL:	52 <u> </u>
Was surface sanitary sear provided.	# -
Were strata sealed against pollution? Yes No Interval Method of sealing Sand grout on pack	Work started 5/20 18 85 Completed 5/21 19 85
A20400 VI VVIII	WELL DRILLER'S STATEMENT:
(10) WATER LEVELS: Depth of first water, if known	tt. This well was drilled under my jurisdiction and this report is half the bell the bell the
Standing level after well completion 20	4. knowledge and vene).
(11) WELL TESTS:	SIGNED (Well Driller)
Was well test made? Yes M No If yes, by whom? Wack! Type of test Pump Bailer M Air lift	NAME WEEKS DRILLING AND PUMP COMPANY
Type of test Pump Bailer Baller Baller Ar art Depth to water at start of test 20 ft. At end of test	- INDIVIL
Die e 10 gal/min after 1 hours Water temperatu	WCCC
analysis made? Yes No E If yes, by whom?	C57 177681 Vers 22 1085
granysis made: 165 [] 10 [] 16 non ottoch conv to this ren	License No. C57-177681 Date of this report May 23, 1985

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

APPENDIX C Soil Boring Logs



		MA IOD DIVIDION	10	SYM	BOLS	TYPICAL
		MAJOR DIVISION	V 5	GRAPH	LETTER	DESCRIPTIONS
		GRAVEL AND	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	COARSE GRAINED SOILS	MORE THAN 50% OF COARSE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
E E		FRACTION RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
SYS	MORE THAN 50%	SAND AND	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
JNIFIED SOIL CLASSIFICATION SYSTEM	OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
ASS.			(APPRECIABLE AMOUNT OF FINES)		sc	CLAYEY SANDS, SAND - CLAY MIXTURES
IL CL	FINE GRAINED SOILS		LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
DS C		SILTS AND CLAYS			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
	SOILS				OL.	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
j.	MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
	SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY
					OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
		HIGHLY ORGANIC SC	DILS	57 57 57 57 5 57 57 57 50 50 50 50	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

RELATIVE CONSISTENCY CLASSIFICATION

GRANULAR	COHESIVE
Silts, Sands, and Gravels	Clays and Clayey Silts
VERY LOOSE	SOFT
LOOSE	MEDIUM STIFF
MEDIUM DENSE	STIFF
DENSE	VERY STIFF
VERY DENSE	HARD

Relative Moisture Contents	
DRY	
DAMP	
MOIST	
WET	
SATURATED	

■ - Undisturbed sample retained 🛛 - Recovered, not retained 🔾 - Bulk Sample

 $\underline{\nabla}$ - Depth to water



Brunsing Associates, Inc. 5803 Skylane Blvd., Suite A Windsor, California 95492 Tel: (707) 838-3027

Job No.: 403

Appr.: Date:

UNIFIED SOIL CLASSIFICATION CHART

LANDER'S AUTOMOTIVE 3610 Gravenstein Highway South Sebastopol, California

BRUNSING ASSOCIATES, INC.

P.O. BOX 588 Windsor, CA. 95492

Telephone: (707) 838-3027 Fax: (707) 838-4420

COORDINATES:

SURFACE ELEVATION:

BORING NO .:

B-33

SHEET 1 OF 1

PROJECT:

Lander's Automotive

LOCATION:

Sebastopol, California

PROJECT NO.:

403

DEC LOGGED BY:

DEPTH	SAMPLE INFORMATION DEPTH LAB SAMPLE BLOW Recovery PID			DESCRIPTION		WELL CONSTRUCTION			
1	SAMPLE	;	COUNTS	1 - 1	(ppm)		S	DETAIL	
						DARK BROWN GRAVELLY SAND (SW) loose, damp, very coarse to medium-grained sand			
5 5			17 17 13		0.0	LIGHT BROWN SAND (SP) loose, damp, coarse to medium-grained sand		₽	5
10-	- components	X	3 4		0.0	GRAY-BROWN, ORANGE SILTY SAND (SM) loose, wet, mottled, some clay		1	0—
15-			1 2 3			ORANGE-BROWN SILTY SAND (SM) loose, saturated GRAY SAND (SP) loose, saturated, very coarse to coarse-grained sand		1	5
DRILLI DRILLI DRILLI DRILLI	DRILLING CONTRACTOR: Clear Heart DRILLING METHOD: 4-inch solid stem auger DRILLING EQUIPMENT: Heno DRILLING STARTED: 12/10/04 ENDED: 12/10/04 See key sheet for symbols and abbreviations used above.								
DRILLI DRILLI DRILLI DRILLI	BRUNSING ASSOCIATES, INC. Appr.: Date: 3/21/05 BRUNSING B-33 Lander's Automotive 3610 Gravenstain Highway South Sebastopol, California C-2								

DATUM:

BRUNSING ASSOCIATES, INC.

P.O. BOX 588

Windsor, CA. 95492

Telephone: (707) 838-3027 Fax: (707) 838-4420

SURFACE ELEVATION:

COORDINATES:

BORING NO .:

SHEET 1 OF 1

PROJECT:

Lander's Automotive

LOCATION:

Sebastopol, California

PROJECT NO.: 403 LOGGED BY:

DEC

B-34

II SUKFA	CE ELEVA	TION:		DAR	JIVI.	LOGGED B1: DLC			
DEPTH FEET	<u> </u>	SAMPLE	BLOW COUNTS	Recovery	PID (ppm)	DESCRIPTION	STRATA	WELL CONSTRUCTIO DETAIL	N
	-					Concrete DARK BROWN SILTY SAND (SM) loose, damp			
5-		X	21 24 27		0.0	GRAY SILTY SAND (SM) medium dense, damp, coarse to medium-grained sand, some gravel		立	5—
10-		X	4 5 6		0.0	LIGHT GRAY SILTY SAND (SM) loose, saturated, coarse to medium-grained sand, trace gravel			10-
E.GDT 6/7/05					Andrews of the Control of the Contro				-
ENVIRONMENTAL BORING LOG AND WELL COMPLETION LANDERS GPJ BACE.GDT 67705 O									
DRILL	LING CON	TRACTOR	: Clear I	leart	<u> </u>	REMARKS			
DRILI	LING METH			solid ste	m auge	r			Targetti de la constitución de l
DRILLI DRILLI	LING EQUI LING STAF		Heno 12/10/	04 ENI	DED: 12	See key sheet for symbols and abb	previations u	sed above.	
NVIRONMENTAL BORIN		BRUNSI	NG ASSO	OCIATES,	INC. AF	LOG OF E Lander's 3610 Gravenst Sebastor	Automotive	e y South ia	PLATE C-3
w			****				***************************************		

DATUM:



BRUNSING ASSOCIATES, INC.

P.O. BOX 588 Windsor, CA. 95492

Telephone: (707) 838-3027 Fax: (707) 838-4420

SURFACE ELEVATION:

COORDINATES:

BORING NO.: PROJECT:

1 OF 1 SHEET

Lander's Automotive

LOCATION:

Sebastopol, California

PROJECT NO.:

403

B-35

DATUM:

DEC LOGGED BY:

DEPTH FEET	SAM LAB SAMPLE	SAMPLE	BLOW COUNTS	Recovery	PID (ppm)	DESCRIPTION	STRATA	WELL CONSTRUCTION DETAIL	
-						Concrete BROWN SILTY SAND (SM) loose, damp, coarse to medium-grained sand, with gravel			
5-		X	15 18 23		0.0	GRAY SILTY SAND (SM) loose, wet, coarse to medium-grained sand, trace gravel		5 ↓ ↓	The state of the s
10-		X	14 17 20		0.0	REDDISH BROWN, GRAY MOTTLED SAND (SP) medium dense, saturated, medium-grained sand		10-	
ENVIRONMENTAL BORING LOG AND WELL COMPLETION LANDERS.GPJ BACE.GDT 67/705	and the state of t								
NG LOG AND WELL COMPLETING THE NG THE	ING CONTING METHING EQUI	IOD: PMENT:		solid ste	m auge		eviation	ns used above.	
ENVIRONIMENTAL BORI	BRUNSING ASSOCIATES, INC. Appr.: Date: 6/7/05 Appr.: Date: 6/7/05 LOG OF BORING B-35 Lander's Automotive 3610 Gravenstain Highway South Sebastopol, California								ате :-4



APPENDIX D Landfill Manifest





8950 REDWOOD HIGHWAY P.O. BOX 793

NOVATO, CALIFORNIA 94948

TEL: (415) 892-2851 FAX: (415) 898-1354

DRIVER'S SIGNATURE

SAG

substances or any other material that may violate laws or regulations or that may present a significant risk to human health or the environment,

RECIEVED BY: REDWOOD

SIGNATURE: 5071591 CUSTOMER: BRUNSING ASSOCIATES

ACCOUNT NUMBER: PC 050

VEHICLE:

COMMODITY: PC DIRT

TIME: 12:58:53

10.00

DATE: 04/28/05

Cu. yd. :

PER YD.

140.00

THEIR OWN RISK.

OUT OF VEHICLES.

THANK YOU.

SOURCE: 92 SEBASTOPOL

*** CHARGE ***

TOTAL: 140.00

LOAD #: 609624

PERSONS USING THESE PREMISES DO SO AT

PLEASE NOTIFY OFFICE OF ANY COMPLAINT.

"By signing, I hereby certify that the below-described material (commodity) contains no infectious, radioactive, volatile, corrosive, flammable, explosive, hazardous, dangerous, or toxic materials or

cause a nuisance or otherwise create or expose the landfill to liability.

CHILDREN AND PETS ARE NOT ALLOWED

NO RUMMAGING IN DUMP AREA.

NO SMOKING ON DUMP SITE.

LOAD TICKET #: 1341427

CUSTOMER COPY

APPENDIX E Analytical Laboratory Reports



Laboratory: Lab Report Number:

Project Name:

Work Order Number:

Control Sheet Number:

Bace Analytical, Windsor, CA 4494

3610 GRAVENSTEIN HWY. S.

403

Report :	Report Summary										
Labreport	Sampid	Labsampid	Mtrx	8	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4494	B-33-W	4494-7	W	S	8260FAB	SW5030B	12/10/200 4	12/17/200 4	12/17/200 4	20041216B	30
4494	B-33-W	4494-7	₹	S	8260TPH	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	30
	2		\	3	00000	CIAIEOSOD	43/40/200	43/47/200	43/47/200	300A4346B	2
4484	0.0444 4	1 3+3	4	ξ	2003	04400000	4			1	
4494	B-34-W	4494-8	٤	လ္လ	8260TPH	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	34
							4	4	4		
4494	B-35-W	4494-9	₹	လ	8260FAB	SW5030B	12/10/200	12/17/200	12/17/200	12/17/200 20041216B	35
							4		4		
4494	B-35-W	4494-9	۶	S	8260TPH	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	ဒ္ဌ
							4	4	4		
4494	B33-10	4494-2	SO	S	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	1
							4	4	4		
4494	B33-10	4494-2	so	S	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	7
		٠					4	4	4		
4494	B33-5	4494-1	so	S	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	12/11/200 20041211B	10
4494	B333-5	4494-1	SO	င္ပ	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	1 0
							4				
4494	B34-10	4494-4	SO	S	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	13
							4.	4	4		
4494	B34-10	4494-4	so	S	8260TPH	SW5035	12/10/200	12/11/200 12/11/200		20041211B	13
							4		4.		
4494	B34-5	4494-3	so	င္လ	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	12/11/200 20041211B	12
							4	4.	4		
4494	B34-5	4494-3	SO	S	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	12
							4	4	4		
4494	B35-10	4494-6	so	S	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	17
							4	4	4		
4494	B35-10	4494-6	so	SS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	17
							4				;
4494	B35-5	4494-5	so	S	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	6
4494	B35-5	4494-5	So	႙	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	6
							4		4		
		4491-5	×	S	8260FAB	SW5030B	11	12/17/200	12/17/200	20041216B	17
			§.	5	SECTION	SWEDSOB		42/47/200	10/17/200	20041216B	17
			:	;							

Labreport	Sampid	Labsampid	Mtrx	ဂ္ဂ	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
								4	4		
		4494MB	so	Б	LB1 8260FAB	SW5035	11	12/11/200	12/11/200 12/11/200 20041211B	20041211B	6
								4	4		
		4494MB	so	ᄧ	LB1 8260TPH	SW5035	11	12/11/200 12/11/200 20041211B	12/11/200	20041211B	O
								4	4		
		4494MB	٤	B	LB1 8260FAB	SW5030B	11	12/16/200 12/16/200 20041216B	12/16/200	20041216B	9
								4	4		
		4494MB	٤	EB1	LB1 8260TPH	SW5030B	11	12/16/200 12/16/200 20041216B	12/16/200	20041216B	9
								4	4		
		4494MS	so	MS1	MS1 8260FAB	SW5035	11	12/11/200 12/11/200 20041211B	12/11/200	20041211B	4
								4	4		
		4494MS	so	MS1	MS1 8260TPH	SW5035	11	12/11/200 12/11/200 20041211B	12/11/200	20041211B	14
								4	4		
		4494MS	٤	MS1	MS1 8260FAB	SW5030B	11	12/16/200 12/16/200 20041216B	12/16/200	20041216B	15
								4	4		
		4494MS	٤	MS1	MS1 8260TPH	SW5030B	11	12/17/200 12/17/200 20041216B	12/17/200	20041216B	21
								4	4		
		4494SD	so	SD1	SD1 8260FAB	SW5035	11	12/11/200 12/11/200 200412118	12/11/200	200412118	5
								4	4		
		4494SD	so	SD1	SD1 8260TPH	SW5035	11	12/11/200 12/11/200 20041211B	12/11/200	20041211B	5
								4	4		
		4494SD	۶	SD1	SD1 8260FAB	SW5030B	11	12/16/200 12/16/200 20041216B	12/16/200	20041216B	16
								4	4		
		4494SD	۶	SD1	SD1 8260TPH	SW5030B	11	12/17/200	12/17/200	12/17/200 12/17/200 20041216B	22

Page: 1 VOCs by GC/MS Fuel Additives Plus BTEX Project Name: 3610 GRAVENSTEIN Analysis: Project No: 403 Method: 8260FAB Prep Meth: SW5035 Lab Samp ID: 4494-2 Field ID: B33-10 Descr/Location: B33-10 Rec'd Date: 12/10/2004 Sample Date: 12/10/2004 Prep Date: 12/11/2004 Analysis Date: 12/11/2004 Sample Time: 0905 Matrix: Soil QC Batch: 20041211B Basis: Notes: Wet **Det Limit** Note Units Pvc Dil Rep Limit Result Analyte Methyl-tert-butyl ether (MTBE) 10. 25. PQL ND UG/KG 5 10. 25. PQL ND UG/KG 5 Ethyl tert-butyl ether (ETBE) tert-Amyl methyl ether (TAME) 10. 25. PQL ND UG/KG 5 Di-isopropyl ether (DIPE) 10. 25. PQL ND UG/KG 5 tert-Butyl alcohol (TBA) 100. 300. PQL UG/KG ND 5 1,2-Dichloroethane 13. 25. PQL ND UG/KG 5 1,2-Dibromoethane 13. 25. PQL ND UG/KG 5 Benzene 10. 25. PQL ND UG/KG 5 Toluene 10. 25. PQL ND UG/KG 5 Ethylbenzene 10. 25. PQL ND UG/KG 5

10. **Xylenes** 25.

	Dibromofluoromethane	80-120	SLSA	102%	1
	Toluene-d8	81-117	SLSA	104%	1
	4-Bromofluorobenzene	74-121	SLSA	95%	1
	SURROGATE AND INTERNAL STANDARD RECOVER	aes:			

PQL

Approved by: Muselman &

ND

UG/KG

5

Xylenes

Toluene-d8

4-Bromofluorobenzene

Dibromofluoromethane

Page: 2

· · · · · · · · · · · · · · · · ·								····
Project Name: Project No:	3610 GRAVENSTEIN 403		Analys Method Prep N		OCs by GC/MS I 60FAB V5035	Fuel Additive	s Plus B	TEX
Field ID:	B33-5			amp ID:				
Descr/Location:	B33-5		Rec'd		12/10/2004			
Sample Date:	12/10/2004		Prep D		12/11/2004			
Sample Time:	0900		Analys	is Date:	12/11/2004			
Matrix:	Soil		QC Ba	itch:	20041211B			
Basis:	Wet		Notes:	•				
Analyte		Det Limit	Rep Limi	t	Note	Result	Units	Pvc Dil
Methyl-tert-butyl	ether (MTBE)	200.	500.	PQL		ND	UG/KG	100
Ethyl tert-butyl et	' ' 1	200.	500.	PQL		ND	UG/KG	100
tert-Amyl methyl	· '	200.	500.	PQL		ND	UG/KG	100
Di-isopropyl ethe	' '	200.	500.	PQL		ND	UG/KG	100
tert-Butyl alcohol	· · · · · · · · · · · · · · · · · · ·	2000.	5000.	PQL		ND	UG/KG	100
1,2-Dichloroetha	'	250.	500.	PQL		ND	UG/KG	100
1,2-Dibromoetha		250.	500.	PQL		ND	UG/KG	
Benzene		200.	500.	PQL		ND	UG/KG	
Toluene		200.	500.	PQL		ND	UG/KG	
		200.	500.	PQL		ND	UG/KG	
Ethylbenzene		200.	500.	FUL		IND	COMC	, 100

500.

PQL

74-121 SLSA

81-117 SLSA

80-120 SLSA

200.

SURROGATE AND INTERNAL STANDARD RECOVERIES:

approved by: M William & Pot

Date: <u>//*21/05*</u>

716.

108%

97%

98%

UG/KG

100

Toluene-d8

Dibromofluoromethane

Page: 3

92%

101%

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysi Method Prep M		OCs by GC/MS Fu 60FAB V5035	el Additive	es Plus B	TEX	
Field ID:	B34-10		Lab Sa	mp ID:	4494-4				
Descr/Location:	B34-10		Rec'd [Date:	12/10/2004				
Sample Date:	12/10/2004		Prep D	ate:	12/11/2004				
Sample Time:	0955		Analysi	is Date:	12/11/2004				
Matrix:	Soil		QC Bat	tch:	20041211B				
Basis:	Wet		Notes:						
Analyte	***************************************	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1	*****
Ethyl tert-butyl et	ther (ETBE)	2.0	5.0	PQL		ND	UG/KG	1	
tert-Amyl methyl	ether (TAME)	2.0	5.0	PQL		ND	UG/KG	1	
Di-isopropyl ethe	er (DIPE)	2.0	5.0	PQL		ND	UG/KG	1	
tert-Butyl alcohol	' '	20.	50.	PQL		ND	UG/KG	1	
1,2-Dichloroetha	'	2.5	5.0	PQL		ND	UG/KG	1	
1,2-Dibromoetha		2.5	5.0	PQL		ND	UG/KG	1	
Benzene		2.0	5.0	PQL		ND	UG/KG	1	
Toluene		2.0	5.0	PQL		ND	UG/KG		
Ethylbenzene		2.0	5.0	PQL		ND	UG/KG		
Xylenes		2.0	5.0	PQL		ND	UG/KG		
	ND INTERNAL STANDA								
4-Bromofluorobe			74-121	SLSA		87%			

81-117 SLSA

80-120 SLSA

Approved by: M William & Potty Date: 1/21/05

Project Name:

Dibromofluoromethane

3610 GRAVENSTEIN Analysis: VOCs by GC/MS Fuel Additives Plus BTEX

Project No: 403 Method: 8260FAB

Prep Meth: SW5035

Page: 4

Field ID: B34-5 Lab Samp ID: 4494-3

 Descr/Location:
 B34-5
 Rec'd Date:
 12/10/2004

 Sample Date:
 12/10/2004
 Prep Date:
 12/11/2004

 Sample Time:
 0945
 Analysis Date:
 12/11/2004

Matrix: Soil QC Batch: 20041211B

Basis: Wet Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	***************************************
-				NOIG				
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG		
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	1	
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	3 1	
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	UG/KG	3 1	
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	3 1	
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	3 1	
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	3 1	
Benzene	2.0	5.0	PQL		ND	UG/KG	3 1	
Toluene	2.0	5.0	PQL		ND	UG/KG	3 1	
Ethylbenzene	2.0	5.0	PQL		ND	UG/KG	€ 1	
Xylenes	2.0	5.0	PQL		ND	UG/KG	3 1	
SURROGATE AND INTERNAL STAN	DARD RECOV	ERIES:						
4-Bromofluorobenzene		74-121	SLSA		99%			
Toluene-d8		81-117	SLSA		105%			

80-120 SLSA

Approved by: M Walliam & Paty

Date: 1/21/05

105%

Page: 5

Lab Report No	1101 Date. VIIZ 11200						ray	6. 0
Project Name: Project No:	3610 GRAVENSTEIN 403		Analys Metho Prep M		OCs by GC/MS 60FAB V5035	Fuel Additive	es Plus B	TEX
Field ID: Descr/Location:	B35-10 B35-10		Rec'd		12/10/2004			
Sample Date: Sample Time:	12/10/2004 1050		Prep [12/11/2004 12/11/2004			
Matrix: Basis:	Soil Wet		QC Ba Notes	atch:	20041211B			
Analyte		Det Limit	Rep Limi	t	Note	Result	Units	Pvc Dil
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	3 1
Ethyl tert-butyl et	her (ETBE)	2.0	5.0	PQL		ND	UG/KG	3 1
tert-Amyl methyl	ether (TAME)	2.0	5.0	PQL		ND	UG/KG	3 1
Di-isopropyl ethe	r (DIPE)	2.0	5.0	PQL		ND	UG/KG	3 1
tert-Butyl alcohol	(TBA)	20.	50.	PQL		ND	UG/KG	1
1,2-Dichloroetha	ne	2.5	5.0	PQL	·	ND	UG/KG	3 1
1,2-Dibromoetha	ine	2.5	5.0	PQL		ND	UG/KG	3 1
Benzene		2.0	5.0	PQL		ND	UG/KG) 1
Toluene		2.0	5.0	PQL		ND	UG/KG	3 1
					I			

Ethylbenzene	2.0	5.0	PQL	ND UG/KG	1	I
Xylenes	2.0	5.0	PQL	ND UG/KG	1	ı
SURROGATE AND INTERNAL STAND	ARD RECOVE	RIES:				٦
4-Bromofluorobenzene		74-121	SLSA	85%	•	۱
Toluene-d8		81-117	SLSA	93%	•	1
Dibromofluoromethane		80-120	SLSA	102%	•	1

William & Coty

Page: 6

3610 GRAVENSTEIN Analysis: VOCs by GC/MS Fuel Additives Plus BTEX **Project Name:**

Project No: 403 Method: 8260FAB Prep Meth: SW5035

Lab Samp ID: 4494-5 Field ID: B35-5 Rec'd Date: 12/10/2004 Descr/Location: B35-5 Prep Date: 12/11/2004

Sample Date: 12/10/2004 Analysis Date: 12/11/2004 Sample Time: 1040 QC Batch: 20041211B Matrix: Soil

Basis: Wet Notes:

					——————————————————————————————————————			wa
Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1	
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	; 1	
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	1	
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	. UG/KG	1	
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	1	
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	1	
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	3 1	
Benzene	2.0	5.0	PQL		ND	UG/KG	3 1	
Toluene	2.0	5.0	PQL		ND	UG/KG	3 1	
Ethylbenzene	2.0	5.0	PQL		ND	UG/KG	3 1	
Xylenes	2.0	5.0	PQL		ND	UG/KG	3 1	
SURROGATE AND INTERNAL STA	NDARD RECOV	'ERIES:						
4-Bromofluorobenzene		74-121	SLSA		87%			1
Toluene-d8		81-117	SLSA		96%			1
Dibromofluoromethane		80-120	SLSA		106%			1

William & Golf Date: 1/21/00

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

4-Bromofluorobenzene

Page: 7

95%

Total Petroleum Hydrocarbons (TPH) by GC/MS Project Name: 3610 GRAVENSTEIN Analysis: Project No: 403 Method: 8260TPH Prep Meth: SW5035 Lab Samp ID: 4494-2 Field ID: B33-10 Descr/Location: B33-10 Rec'd Date: 12/10/2004 Prep Date: Sample Date: 12/10/2004 12/11/2004 Analysis Date: 12/11/2004 Sample Time: 0905 Matrix: Soil QC Batch: 20041211B Notes: Basis: Wet Note Result Units Pvc Dil **Det Limit** Rep Limit Analyte Gasoline Range Organics (C5-C12) 3. 5.0 **PQL** ND MG/KG 5 SURROGATE AND INTERNAL STANDARD RECOVERIES:

74-121 SLSA

Approved by: M William & Got

Date: 1/2//05

4-Bromofluorobenzene

Page: 8

108%

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis: Method: Prep Meth:	Total Petroleum H 8260TPH SW5035	ydrocarbons	s (TPH)	by GC/M
Field ID:	B33-5		Lab Samp I	D: 4494-1			
Descr/Location:	B33-5		Rec'd Date:	12/10/2004			
Sample Date:	12/10/2004		Prep Date:	12/11/2004			
Sample Time:	0900		Analysis Da	te: 12/11/2004			
Matrix:	Soil		QC Batch:	20041211B			
Basis:	Wet		Notes:				
Analyte		Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range	Organics (C5-C12)	50.	100. PQ		250.	MG/K	G 100
	ND INTERNAL STANDA	ARD RECOV					

74-121 SLSA

Approved by: M William & Post Date: 1/21/03

Page: 9

Total Petroleum Hydrocarbons (TPH) by GC/MS Analysis: Project Name: 3610 GRAVENSTEIN Method: 8260TPH Project No: 403

Prep Meth: SW5035

Lab Samp ID: 4494-4

Field ID: Descr/Location:

Basis:

B34-10

B34-10 12/10/2004

Prep Date:

12/10/2004

Sample Date: Sample Time: 0955 Matrix:

Soil Wet Rec'd Date: 12/11/2004 Analysis Date: 12/11/2004 QC Batch: 20041211B

Notes:

Units Pvc Dil Det Limit Rep Limit Note Result Analyte ND MG/KG Gasoline Range Organics (C5-C12) 0.5 1.0 PQL 1 SURROGATE AND INTERNAL STANDARD RECOVERIES:

87% 74-121 SLSA 4-Bromofluorobenzene

Approved by: M Walliam & 4

Lab Report No.: 4494 Date: 01/21/2005

Page: 10

Project Name: Project No:	3610 GRAVENSTEIN 403		·	tal Petroleum Hy 60TPH V5035	ydrocarbons	(TPH) I	oy GC	:/MS
Field ID:	B34-5		Lab Samp ID:	4494-3				
Descr/Location:	B34-5		Rec'd Date:	12/10/2004				
Sample Date:	12/10/2004		Prep Date:	12/11/2004				
Sample Time:	0945		Analysis Date:	12/11/2004				
Matrix:	Soil		QC Batch:	20041211B				
Basis:	Wet		Notes:					
Analyte		Det Limit	Rep Limit	Note	Result	Units	Pvc	Dil
Gasoline Range	Organics (C5-C12)	0.5	1.0 PQL		ND	MG/K	3	1
	ND INTERNAL STANDA	ARD RECOV	ERIES: 74-121 SLSA		99%			

Approved by: M William & Coty Date: 1/1

Lab Report No.: 4494 Date: 01/21/2005

4-Bromofluorobenzene

Page: 11

Total Petroleum Hydrocarbons (TPH) by GC/MS Project Name: 3610 GRAVENSTEIN Analysis: Method: 8260TPH Project No: 403 Prep Meth: SW5035 Field ID: Lab Samp ID: 4494-6 B35-10 Descr/Location: B35-10 Rec'd Date: 12/10/2004 Prep Date: 12/11/2004 Sample Date: 12/10/2004 Analysis Date: 12/11/2004 Sample Time: 1050 QC Batch: 20041211B Matrix: Soil Notes: Basis: Wet Units Pvc Dil Det Limit Rep Limit Note Result Analyte ND MG/KG Gasoline Range Organics (C5-C12) 0.5 1.0 PQL 1 SURROGATE AND INTERNAL STANDARD RECOVERIES: 85%

74-121 SLSA

Lab Report No.: 4494 Date: 01/21/2005

Page: 12

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis: Method: Prep Meth	826	al Petroleum Hy 60TPH /5035	/drocarbons	(TPH) I	by GC	C/MS	
Field ID:	B35-5		Lab Samp	ID:	4494-5					
Descr/Location:	B35-5		Rec'd Date	e:	12/10/2004					
Sample Date:	12/10/2004		Prep Date	:	12/11/2004					
Sample Time:	1040		Analysis D	Date:	12/11/2004					
Matrix:	Soil		QC Batch:	:	20041211B					
Basis:	Wet		Notes:							
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil	
Gasoline Range	Organics (C5-C12)	0.5	1.0 P	QL	······································	ND	MG/K	G	1	
	ND INTERNAL STAND	ARD RECOV		LSA		87%				

Approved by: M William & Pot Date: 1/21/05

Dibromofluoromethane

Page: 13

									
Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis Method Prep M	: 82	OCs by GC/MS Fue 60FAB V5030B	el Additive	s Plus B	STEX	
Field ID: Descr/Location: Sample Date:	B-33-W B-33-W 12/10/2004		Rec'd D	oate: ate:	4494-7 12/10/2004 12/17/2004				
Sample Time: Matrix: Basis:	1010 Water Not Filtered		QC Bat Notes:		12/17/2004 20041216B				
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	7.6	20.	PQL		ND	UG/L	20	
Ethyl tert-butyl et		6.0	20.	PQL		ND	UG/L	20	
tert-Amyl methyl	` · · · · · · · · · · · · · · · · · · ·	5.2	20.	PQL		ND	UG/L	20	
Di-isopropyl ethe		7.4	20.	PQL		ND	UG/L	20	
tert-Butyl alcohol	(TBA)	48.	200.	PQL		ND	UG/L	20	
1,2-Dichloroetha	ne	6.0	10.	PQL		ND	UG/L	20	
1,2-Dibromoetha	ine	6.0	10.	PQL		ND	UG/L	20	
Benzene		5.4	10.	PQL		ND	UG/L	20	
Toluene		5.0	10.	PQL		ND	UG/L	20	
Ethylbenzene		5.0	10.	PQL		46.1	UG/L	20	
Xylenes		5.0	10.	PQL		193.	UG/L	20	
SURROGATE A 4-Bromofluorobe	ND INTERNAL STAND enzene	ARD RECOV	'ERIES: 86-115	SLSA		111%			
Toluene-d8			88-110	SLSA		100%			

86-118 SLSA

approved by: M William & C

Date: //2//05

103%

Page: 14

Project No:

3610 GRAVENSTEIN

403

Analysis:

VOCs by GC/MS Fuel Additives Plus BTEX

Method:

8260FAB

Prep Meth: SW5030B

Field ID:

B-34-W

Descr/Location: Sample Date:

Project Name:

B-34-W 12/10/2004

Sample Time: Matrix:

1005

Water

Lab Samp ID: 4494-8 Rec'd Date: 12/10/2004

Prep Date:

12/17/2004 Analysis Date: 12/17/2004 20041216B

QC Batch: Notes:

Racie: Not Filtered

Basis: Not Filtered		notes.						
Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10	
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10	
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10	
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10	
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10	
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10	
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10	
Benzene	2.7	5.0	PQL		ND	UG/L	10	
Toluene	2.5	5.0	PQL		ND	UG/L	10	
Ethylbenzene	2.5	5.0	PQL		48.9	UG/L	10	
Xylenes	2.5	5.0	PQL		ND	UG/L	10	
SURROGATE AND INTERNAL STAN	DARD RECOV	ERIES:						
4-Bromofluorobenzene		86-115	SLSA		110%			
Toluene-d8		88-110	SLSA		100%			
Dibromofluoromethane		86-118	SLSA		101%			

Approved by: M William & 4

Page: 15

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysi Method Prep M	l: 82	OCs by GC/MS Fu 60FAB V5030B	uel Additive	s Plus E	STEX	
Field ID:	B-35-W		Lab Sa	mp ID:	4494-9				
Descr/Location:	B-35-W		Rec'd [Date:	12/10/2004				
Sample Date:	12/10/2004		Prep D	ate:	12/17/2004				
Sample Time:	1115		Analysi	s Date:	12/17/2004				
Matrix:	Water		QC Bat	ch:	20041216B				
Basis:	Not Filtered		Notes:						
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	3.8	10.	PQL	· · · · · · · · · · · · · · · · · · ·	ND	UG/L	10	.,,
Ethyl tert-butyl et	her (ETBE)	3.0	10.	PQL		ND	UG/L	10	
tert-Amyl methyl	ether (TAME)	2.6	10.	PQL		ND	UG/L	10	
Di-isopropyl ethe	r (DIPE)	3.7	10.	PQL		ND	UG/L	10	
tert-Butyl alcohol	(TBA)	24.	100.	PQL		ND	UG/L	10	
1,2-Dichloroetha	ne	3.0	5.0	PQL		ND	UG/L	10	
1,2-Dibromoetha	ine	3.0	5.0	PQL		ND	UG/L	10	
Benzene		2.7	5.0	PQL		ND	UG/L	10	
Toluene		2.5	5.0	PQL		ND	UG/L	10	
Ethylbenzene		2.5	5.0	PQL		49.7	UG/L	10	
Xylenes		2.5	5.0	PQL		ND	UG/L	10	
SURROGATE A	ND INTERNAL STAND	ARD RECOV	ERIES:						
4-Bromofluorobe	enzene		86-115	SLSA		111%			
Toluene-d8			88-110	SLSA		101%			

86-118 SLSA

Dibromofluoromethane

Approved by: m Wselvery 8 4

102%

4-Bromofluorobenzene

111%

Page: 16

Project Name: 3610 GRAVENSTEIN Total Petroleum Hydrocarbons (TPH) by G C/MS Analysis: Project No: 403 Method: 8260TPH Prep Meth: SW5030B Field ID: B-33-W Lab Samp ID: 4494-7 Descr/Location: B-33-W Rec'd Date: 12/10/2004 Sample Date: 12/10/2004 Prep Date: 12/17/2004 Sample Time: 1010 Analysis Date: 12/17/2004 Matrix: Water QC Batch: 20041216B Basis: Not Filtered Notes: Analyte **Det Limit** Rep Limit Note Result Units Pvc Dil PQL Gasoline Range Organics (C5-C12) 0.80 1.0 1.7 MG/L 20 SURROGATE AND INTERNAL STANDARD RECOVERIES:

86-115 SLSA

Wreling 8

Page: 17

Project Name: Project No:	3610 GRAVENSTEIN 403		•	otal Petroleum H 260TPH W5030B	ydrocarbons	s (TPH) !	by GC/MS	
Field ID:	B-34-W		Lab Samp ID:	4494-8				
Descr/Location:	B-34-W		Rec'd Date:	12/10/2004				
Sample Date:	12/10/2004		Prep Date:	12/17/2004				
Sample Time:	1005		Analysis Date	: 12/17/2004				
Matrix:	Water		QC Batch:	20041216B				
Basis:	Not Filtered		Notes:					
Analyte		Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Gasoline Range	Organics (C5-C12)	0.40	0.50 PQL		4.2	MG/L	10	
	ND INTERNAL STANDA	ARD RECOV	ERIES: 86-115 SLSA		110%			

approved by: William & Golf

Date: <u>1/2//05</u>

Page: 18

Project Name: Project No:

3610 GRAVENSTEIN

403

Analysis:

Total Petroleum Hydrocarbons (TPH) by GC/MS

Method:

8260TPH

Prep Meth: SW5030B

Field ID:

B-35-W

Descr/Location:

B-35-W

Sample Date:

12/10/2004

Sample Time: Matrix:

Basis:

1115

Water

Not Filtered

Lab Samp ID: 4494-9

Rec'd Date:

Prep Date:

12/10/2004 12/17/2004

QC Batch:

Analysis Date: 12/17/2004 20041216B

Notes:

Note Units Pvc Dil Analyte **Det Limit** Rep Limit Result 0.50 PQL 1.0 MG/L Gasoline Range Organics (C5-C12) 0.40 10 SURROGATE AND INTERNAL STANDARD RECOVERIES: 111% 4-Bromofluorobenzene 86-115 SLSA

William &

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

Page: 19

QC Batch:

20041211B

Analysis:

VOCs by GC/MS Fuel Additives Plus BTEX

Matrix:

Soil

Method:

8260FAB

Lab Samp ID: 4494MB

Prep Meth: SW5035

Analysis Date: 12/11/2004

Prep Date: 12/11/2004

Basis:

Wet

Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	UG/KG	i 1
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	i 1
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	i 1
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	i 1
Benzene	2.0	5.0	PQL		ND	UG/KG	i 1
Toluene	2.0	5.0	PQL		ND	UG/KG	i 1
Ethylbenzene	2.0	5.0	PQL		ND	UG/KG	i 1
Xylenes	2.0	5.0	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STA	NDARD RECOV	ERIES:		•			
4-Bromofluorobenzene		74-121	SLSA		90%		
Toluene-d8		81-117	SLSA		95%		
Dibromofluoromethane		80-120	SLSA		102%		

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

Page: 20

QC Batch:

20041211B

Analysis:

Total Petroleum Hydrocarbons (TPH) by

Soil

90%

Matrix:

Method:

8260TPH

Lab Samp ID: 4494MB

4-Bromofluorobenzene

Prep Meth: SW5035

Analysis Date: 12/11/2004

74-121 SLSA

Prep Date: 12/11/2004

Basis:

Wet

Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL		ND	MG/KG	3 1
SURROGATE AND INTERNAL STAND	ARD RECOV	ERIES:					

QA/QC Report Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Page: 21

Lab Report No.: 4494 Date: 01/21/2005

QC Batch:

20041211B Project Name: 3610 GRAVENSTEIN HWY. S.

Matrix: Soil Lab Samp ID: 4494MS Basis: Wet							Project No.: Field ID: Lab Ref ID:		403 B34-10 4494-4	6 4				
	Analysis	Spike	Spike Level	Sample	Spike F	Result		%	Rec	% Recoveries	es	حر	Acceptance Criteria	ance ia
Analyte	Method	SW	DMS	Result	MS DN	DMS	Units	_	AS D	MS DMS RPD	B	% Rec	C	RPB
1,2-Dibromoethane	8260FAB	50.0	50.0	ND	46.0	47.3	UG/KG v	₩ 9	92.0 9	94.6	2.8	135-65	MSA	20MSP
1,2-Dichloroethane	8260FAB	50.0	50.0	B	48.7	48.7	UG/KG v	- WW	97.4 9	97.4		135-65	MSA	20MSP
Benzene	8260FAB	50.0	50.0	S	48.6	47.1	UG/KG v	9	97.2 9	94.2	3.	142-66	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	50.0	50.0	ND	49.0	50.5	U@/K@ v	₩ 9		101	3.0	135-65	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	50.0	50.0	8	49.2	50.7	UG/KG v	- WW - Q		101	2.6	135-65	MSA	20MSP
Ethylbenzene	8260FAB	50.0	50.0	ND	48.7	51.7	ug/Kg v	₩ 9		103	5. 6	135-65	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	50.0	50.0	8	46.9	48.8	UG/KG v	₩ 9		97.6	4.0	135-65	MSA	20MSP
Toluene	8260FAB	50.0	50.0	8	45.3	44.2	UG/KG v	₩ @	90.6	88.4	2.5	139-60	MSA	20MSP
Xylenes	8260FAB	150.0	150.0	S	136.	144.	UG/KG v	₩ 9	90.7 9	96.0	5.7	135-65	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	50.0	50.0	8	47.7	49.3	UG/KG v	₩ 9	95.4	98.6	<u>ω</u>	135-65	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	250.0	250.0	8	201.	211.	UG/KG v	W W	80.4	84.4	4.9	140-60	MSA	25MSP
Gasoline Range Organics (C5-C12)	8260TPH	ಟ	3.5	ND	3.3	3.5	MG/KG v	*	1		90.00		MSA	20MSP
4-Bromofluorobenzene	8260FAB	100.	100.	87.	99.	102.	PERCENT ww		99.0				SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	101.	102.	103.	PERCENT ww						SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	92	99.	100.	PERCENT www		99.0	100	1.0	117-81	SLSA	20SLSP
4-Bromofluorobenzene	8260TPH	100.	100.	87.	99.	102.	PERCENT ww 99.0	₩ 9	9.0	102	3.0	121-74	SLSA	20SLSP

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

Page: 22

QC Batch:

20041216B

Analysis:

VOCs by GC/MS Fuel Additives Plus BTEX

Matrix:

Water

Method:

8260FAB

Lab Samp ID: 4494MB

Prep Meth: SW5030B Prep Date: 12/16/2004

Basis:

Analysis Date: 12/16/2004 Not Filtered

Notes:

Basis: Not Filtered		Motes:						
Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	•
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1	
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1	
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1	
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1	
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1	
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1	
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1	
Benzene	0.27	0.50	PQL		ND	UG/L	1	
Toluene	0.25	0.50	PQL		ND	UG/L	1	
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1	
Xylenes	0.25	0.50	PQL	ļ	ND	UG/L	1	
SURROGATE AND INTERNAL STAND	ARD RECOV	ERIES:						
4-Bromofluorobenzene		86-115	SLSA		97%			1
Toluene-d8		88-110	SLSA	·	101%			1
Dibromofluoromethane		86-118	SLSA		99%			1

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

Page: 23

QC Batch:

20041216B

Analysis:

Total Petroleum Hydrocarbons (TPH) by

Matrix:

Water

Method:

8260TPH

Lab Samp ID: 4494MB

Prep Meth: SW5030B

Analysis Date: 12/16/2004

Prep Date: 12/16/2004

Basis:

Not Filtered

Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1	

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene

86-115 SLSA

97%

QA/QC Report Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

QC Batch: Matrix:

20041216B

Page: 24

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample

20SLSP	SLSA	115-86	4.5	91.0	87.0	PERCENT	91.	87.	89.	100.	100	8280TPH	4-Bromofluorohenzene
20SLSP	SLSA	110-88	0.00	100	100	PERCENT	100.	100.	109.	100.	100.	8260FAB	Toluene-d8
20SLSP	SLSA	118-86	2.0	98.0	100	PERCENT	98.	100.	104.	100.	100.	8260FAB	Dibromofluoromethane
20SLSP	SLSA	115-86	72	98.0	96.0	PERCENT	98.	96.	.68	100.	100.	8260FAB	4-Bromofluorobenzene
20MSP	MSA	130-70	15	88.0	Ŕ	MG/L	0.44	0.511	ND	0.50	0.50	8260TPH	Gasoline Range Organics (C5-C12)
25MSP	MSA	140-60	4.7	70.4	73.8	UG/L	35.2	36.9	8	50.0	50.0	8260FAB	tert-Butyl alcohol (TBA)
20MSP	MSA	130-70	4.4	81.8	85.5	UG/L	8.18	8.55	8	10.0	10.0	8260FAB	tert-Amyl methyl ether (TAME)
20MSP	MSA	130-70	<u></u>	81.0	82.2	UG/L	26.0	26.4	8	32.1	32.1	8260FAB	Xylenes
20MSP	MSA	125-76	2.0	77.4	79.0	UG/L	8.65	8.82	B	11.17	11.17	8260FAB	Toluene
20MSP	MSA	130-70	2.0	102	100	UG/L	10.2	10.0	8	10.0	10.0	8260FAB	Methyl-tert-butyl ether (MTBE)
20MSP	MSA	130-70	6.1	86.4	91.8	UG/L	8.64	9.18	B	10.0	10.0	8260FAB	Ethylbenzene
20 MSP	MSA	130-70	0.23	85.9	85.7	ne/r	8.59	8.57	8	10.0	10.0	8260FAB	Ethyl tert-butyl ether (ETBE)
20MSP	MSA	130-70	2.4	91.0	93.2	ne/L	9.10	9.32	8	10.0	10.0	8260FAB	Di-isopropyl ether (DIPE)
20MSP	MSA	127-76	2.5	84.3	86,4	UG/L	8.43	8.64	8	10.0	10.0	8260FAB	Benzene
20MSP	MSA	130-70	3	78.2	89.5	UG/L	7.82	8.95	8	10.0	10.0	8260FAB	1,2-Dichloroethane
20MSP	MSA	130-70	=	76.0	84.6	UG/L	7.60	8.46	ND	10.0	10.0	8260FAB	1,2-Dibromoethane
RPD	čec	% Rec	RP	MS DMS RPD	S S	Units	DMS	MS	Result	DMS	MS	Method	Analyte
tance ria	Acceptance Criteria		ries	% Recoveries	% 70		Result	Spike Result	Sample	Spike Level	Spike	Analysis	
				4491-5	44(Lab Ref ID:							Basis: Not Filtered
sample	Lab Generated or Non COE Sample	or Non	erated	o Gent	<u>a</u>	Field ID:							imp ID:
àmple	Lab Generated or Non COE Sample	or Non	∍rated) Gene	Lat	Project No.:							Matrix: Water

Chain-of Custody Form

Relinquished by: (signed) Relinquished by: (signed) Relinquished by: (signed)	Laboratory:								~								12/10/04	Date Sampled	[.P. No.		Project#
	BAFS				***************************************	The second secon			B35W	B 34 W	B 33 W	B35-10	B35-5	B34-10	B34-5	B33-10	B33-S	Sample I.D.	Samplers signature	Dowders Automotive	roject Name
									\		1 Med 1	· /	\	/ 6	\ \	7	\ 0	(2	Xo	Automo	Dividence of the control of the cont
Date/Time Date/Time Date/Time									7:15	2000	70:30	10:50	10:40	9:55	54.6	q: o5	097.00	Time (24 Hour)		た。	3
JH 65 Z									<u>_</u>	(04	<u> </u>					1.5	Sample Type			7 '
Received by: (signed) Received for L (signed)									4	-5	\$	4	4	4	4	4	4	tainers	of Con-	<u> </u>	
	Preserva								χ χ	X	X	X	X	X	X	X	X	TPI	TEX C Scau. S)×6	
lo by	tion: A																`.	P58	Seau. 9	\$260	
和南	Preservation: A (HCL; B - H2SO4: C -									***************************************								ļ			
, , , , , , , , , , , , , , , , , , ,	12SO4: C																				Analysis
Remarks:																					S
	D-HNO																			······································	
R	3: F- log:																				
Bru	NaOH: D - HNO3: E - Ice: X - (specify)					,	DB	150											Se Se	C.O.C. No.	
5803 SH Wir (70	l ify)	***************************************					DATE E	ENCORES								:	4		BG 041	, So	
ng Associate P.O. Box 588 3 Skylane Blvd., Suit Windsor, CA 95492 (707) 838-3027 (707) 838-4420 fax			***************************************			lov .	EXTRACTED	8			1		\	1			404		11		
Brunsing Associates, Inc. P.O. Box 588 5803 Skylane Blvd., Suite A Windsor, CA 95492 (707) 838-3027 (707) 838-4420 fax							150'		1-2	8	4	6	1	4	'n	2	-			1611	- 1
Inc.									***************************************												

Laboratory Report Project Overview

Laboratory:

Lab Report Number:

Work Order Number:

Project Name:

Control Sheet Number:

Bace Analytical, Windsor, CA

4529 3610 GRAVENSTEIN HWY SO. 403 NA

Report Summary	ummary								1	- Librates	Din Suh
Labreport	Sampid	Labsampid	Mtrx) OC	Anmcode	Exmcode	ogdate	Extdate		Labioteti	and inter
4529	B-1	4529-5	SO	SS	8260FAB	SW5035	02/07/200 5	02/08/200	02/09/200	20050209	£73
4529	7. 4	4529-5	SO	g	8260TPH	SW5035	02/07/200	02/08/200	02/09/200 5	20050209	23
4529	SP1-SP4-COMP	4529-6	S	જ	8260FAB	SW5035	02/07/200	02/08/200	02/09/200	20050209	24
4529	SP1-SP4-COMP	4529-6	SO	g	8260TPH	SW5035	02/07/200	02/08/200	02/09/200	20050209	24
4529	SW-1	4529-1	SO	g	8260FAB	SW5035	02/07/200 5	02/08/200	02/09/200 5	20050209	15
4529	SW-1	4529-1	So	જ	8260TPH	SW5035	02/07/200	02/08/200 5	02/09/200 5	2002030	1 5
4529	SW-2	4529-2	SO	જ	8260FAB	SW5035	02/07/200	02/08/200 5	02/09/200 5	20050209	50
4529	SW-2	4529-2	SO	S	8260TPH	SW5035	02/07/200	02/08/200	02/09/200 5	20050209	20
4529	SW-3	4529-3	SO	S	8260FAB	SW5035	02/07/200	02/08/200	02/09/200	20050209	21
4529	SW-3	4529-3	SO	છ	8260TPH	SW5035	02/07/200	02/08/200	02/09/200	20050209	21
4529	SW4	4529-4	SO	છ	8260FAB	SW5035	02/07/200	02/08/200	02/09/200 5	20050209	22
4529	SW4	4529-4	S	જ	8260TPH	SW5035	02/07/200	02/08/200	02/09/200 5	20050209	22
	·	4529MB	S	1 9	8260FAB	SW5035	11	02/09/200	02/09/200 5	20050209	-
	,	4529MB	SO	Ē	8260TPH	SW5035	11	02/09/200	02/09/200	20050209	τ-
		4529MS	SO	MS1	8260FAB	SW5035	11	02/09/200	02/09/200	20050209	9
		4529MS	SO	MS1	MS1 8260TPH	SW5035	11	02/09/200	02/09/200	20050209	18
		4529SD	S	SD1	8260FAB	SW5035	11	02/09/200	02/09/200	20050209	17
		4529SD	SO	SD1	8260TPH	SW5035	11	02/09/200 5	02/09/200 5	20050209	6

Page: 1

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis Method Prep Me	826	OCs by GC/MS Fu 60FAB V5035	el Additive	s Plus B	ΓEX	
Field ID: Descr/Location: Sample Date: Sample Time: Matrix: Basis:	B-1 B-1 02/07/2005 0830 Soil Wet		Rec'd D	oate: ate: s Date:	4529-5 02/07/2005 02/08/2005 02/09/2005 20050209			nados propos no por por como de como d	
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG		
Ethyl tert-butyl e	-	2.0	5.0	PQL		ND	UG/KG		
tert-Amyl methyl		2.0	5.0	PQL		ND	UG/KG		
Di-isopropyl ethe		2.0	5.0	PQL		ND	UG/KG		
tert-Butyl alcoho		20.	50.	PQL		ND	UG/KG		
1,2-Dichloroetha	' '	2.5	5.0	PQL		ND	UG/KG		
1,2-Dibromoeth	1	2.5	5.0	PQL	1	ND	UG/K		
Benzene		2.0	5.0	PQL		ND	UG/K		
Toluene		2.0	5.0	PQL		ND	UG/K		
Ethylbenzene		2.0	5.0	PQL		ND	UG/K		
Xylenes		2.0	5.0	PQL	DX	ND	UG/K	<u> 1</u>	
SURROGATE A 4-Bromofluorob	AND INTERNAL STAND enzene	ARD RECOV	/ERIES: 74-121	SLSA	\	82%			
Toluene-d8			81-117	SLSA	\	87%			
Dibromofluoron	nethane		80-120	SLSA	\	94%			
	nethane vest standard (MQL), bu	t > than MDL		SLSA		94%			

Approved by: ____

Date: <u>3/2//05</u>

Xylenes

Toluene-d8

4-Bromofluorobenzene

Dibromofluoromethane

Page: 2

Lab Report No.: 4	4529 Date: 03/21/200	อ					гаус	J. L
Project Name: Project No:	3610 GRAVENSTEIN 403		Analys Metho Prep M		OCs by GC/MS F 60FAB V5035	Fuel Additive	s Plus B	TEX
Field ID:	SP1-SP4-COMP		Lab S	amp ID:	4529-6			
Descr/Location:	SP1-SP4-CO		Rec'd	Date:	02/07/2005			
Sample Date:	02/07/2005		Prep [02/08/2005			
Sample Time:	0913		Analys	sis Date:	02/09/2005			
Matrix:	Soil		QC Ba	atch:	20050209			
Basis:	Wet		Notes	:				
Analyte		Det Limit	Rep Lim	it	Note	Result	Units	Pvc Dil
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	i 1
Ethyl tert-butyl et	ther (ETBE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Amyl methyl	• •	2.0	5.0	PQL		ND	UG/KG	1
Di-isopropyl ethe	•	2.0	5.0	PQL		ND	UG/KG	5 1
tert-Butyl alcohol	• •	20.	50.	PQL		ND	UG/KG	3 1
1,2-Dichloroetha	• •	2.5	5.0	PQL		ND	UG/KG	3 1,
1,2-Dibromoetha		2.5	5.0	PQL		ND	UG/KG	1
Benzene		2.0	5.0	PQL		ND	UG/KG) 1
Toluene		2.0	5.0	PQL		5.00	UG/KG	
Ethylbenzene		2.0	5.0	PQL		ND	UG/KG	
Euryidenzene		1 2.0	0.0	: \S(1		4 4 4	,,,,	

5.0

2.0

SURROGATE AND INTERNAL STANDARD RECOVERIES:

PQL

74-121 SLSA

81-117 SLSA

80-120 SLSA

pproved by: William & Pot

Date: 3/81/05

14.8

81%

92%

108%

UG/KG

1

Page: 3

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis Method Prep Me	: 82	OCs by GC/MS Fo 60FAB V5035	uel Additive:	s Plus B	TEX	
Field ID: Descr/Location: Sample Date: Sample Time: Matrix: Basis:	SW-1 SW-1 02/07/2005 0820 Soil Wet		Lab Sar Rec'd D Prep Da Analysis QC Bat Notes:	ate: ate: s Date:	4529-1 02/07/2005 02/08/2005 02/09/2005 20050209				
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1	
Ethyl tert-butyl et	5	2.0	5.0	PQL		ND	UG/KG	3 1	
tert-Amyl methyl	1	2.0	5.0	PQL		ND	UG/KG	3 1	
Di-isopropyl ethe	· .	2.0	5.0	PQL		ND	UG/KG	1	
tert-Butyl alcohol		20.	50.	PQL		ND	UG/KG	3 1	
1,2-Dichloroetha	' '	2.5	5.0	PQL		ND	UG/KG	3 1	
1,2-Dibromoetha	l l	2.5	5.0	PQL		ND	UG/KG	3 1	
Benzene		2.0	5.0	PQL		ND	UG/KG		
Toluene		2.0	5.0	PQL		9.04	UG/K		
Ethylbenzene		2.0	5.0	PQL	DX	ND	UG/K		
Xylenes		2.0	5.0	PQL		164	UG/K	3 1	
	ND INTERNAL STAND enzene	ARD RECOV	'ERIES: 74-121	SLSA		103%			
Toluene-d8			81-117	SLSA	\	105%			
Dibromofluorom	ethane		80-120	SLSA	\	90%			

Approved by: William & Poty

DX: Value < lowest standard (MQL), but > than MDL

Page: 4

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis Method Prep Me	: 82	OCs by GC/MS Ft 60FAB V5035	uel Additive	s Plus B	ΓEX	
Field ID: Descr/Location: Sample Date: Sample Time: Matrix: Basis:	SW-2 SW-2 02/07/2005 0822 Soil Wet		Lab Sai Rec'd D Prep Da Analysi QC Bat Notes:	ate: ate: s Date:	4529-2 02/07/2005 02/08/2005 02/09/2005 20050209				
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1	
Ethyl tert-butyl et		2.0	5.0	PQL		ND	UG/KG	i 1	
tert-Amyl methyl		2.0	5.0	PQL		ND	UG/KG	1	
Di-isopropyl ethe	•	2.0	5.0	PQL]	ND	UG/KG	1	
tert-Butyl alcoho	· ·	20.	50.	PQL		ND	UG/KG	i 1	
1,2-Dichloroetha	*	2.5	5.0	PQL		ND	UG/KG	1	
1,2-Dibromoetha		2.5	5.0	PQL		ND	UG/KG	3 1	
Benzene		2.0	5.0	PQL	ļ	ND	UG/KG	3 1	
Toluene		2.0	5.0	PQL		21.1	UG/KG	3 1	
Ethylbenzene		2.0	5.0	PQL	DX	ND	UG/KG	3 1	
Xylenes		2.0	5.0	PQL		28.4	UG/KG	3 1	
	ND INTERNAL STAND	ARD RECOV	'ERIES: 74-121	SLSA		90%			
Toluene-d8			81-117	SLSA		103%			
Dibromofluorom	ethane		80-120	SLSA	1	94%			

Approved by: William & Poty Date: 3/31/05

DX: Value < lowest standard (MQL), but > than MDL

Page: 5

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis Method Prep Me	: 82	OCs by GC/MS Fuel 60FAB V5035	Additive	s Plus B	TEX	
Field ID: Descr/Location: Sample Date: Sample Time: Matrix: Basis:	SW-3 SW-3 02/07/2005 0824 Soil Wet		Lab Sar Rec'd D Prep Da Analysi: QC Bat Notes:	oate: ate: s Date:	4529-3 02/07/2005 02/08/2005 02/09/2005 20050209				
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL.		ND	UG/KG	3 1	
Ethyl tert-butyl et		2.0	5.0	PQL		ND	UG/KG	3 1	
tert-Amyl methyl	ether (TAME)	2.0	5.0	PQL		ND	UG/KG	3 1	
Di-isopropyl ethe	· · · · · · · · · · · · · · · · · · ·	2.0	5.0	PQL		ND	UG/K	3 1	
tert-Butyl alcohol	- ·	20.	50.	PQL		ND	UG/K	3 1	
1,2-Dichloroetha	ne	2.5	5.0	PQL		ND	UG/K	3 1	
1,2-Dibromoetha	ne	2.5	5.0	PQL		ND	UG/K	3 1	
Benzene		2.0	5.0	PQL		ND	UG/K	3 1	
Toluene		2.0	5.0	PQL		8.32	UG/K	3 1	
Ethylbenzene		2.0	5.0	PQL		ND	UG/K	3 1	
Xylenes		2.0	5.0	PQL		8.39	UG/K	3 1	
SURROGATE A 4-Bromofluorobe	ND INTERNAL STANDA	ARD RECOV	'ERIES: 74-121	SLSA	•	87%			1
Toluene-d8			81-117	SLSA	1	88%			1
Dibromofluorome	ethane		80-120	SLSA	•	104%			1

Approved by: Walliam & Coty

Page: 6

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysi Method Prep M	i: 82	OCs by GC/MS Fuel 60FAB V5035	Additive	s Plus B	TEX	
Field ID:	SW-4		Lab Sa	mp ID:	4529-4				
Descr/Location:	SW-4		Rec'd [•	02/07/2005				
Sample Date:	02/07/2005		Prep D	ate:	02/08/2005				
Sample Time:	0825		Analysi	is Date:	02/09/2005				
Matrix:	Soil		QC Bat	tch:	20050209				
Basis:	Wet		Notes:						
Analyte	-	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Methyl-tert-butyl	ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1	
Ethyl tert-butyl et	her (ETBE)	2.0	5.0	PQL		ND	UG/KG	3 1	
tert-Amyl methyl	ether (TAME)	2.0	5.0	PQL		ND	UG/KG	3 1	
Di-isopropyl ethe	r (DIPE)	2.0	5.0	PQL		ND	UG/KG	3 1	
tert-Butyl alcohol	(TBA)	20.	50.	PQL		ND	UG/KG	3 1	
1,2-Dichloroetha	ne	2.5	5.0	PQL		ND	UG/KG	3 1	
1,2-Dibromoetha	ne	2.5	5.0	PQL		ND	UG/KG	1	
Benzene		2.0	5.0	PQL		ND	UG/KG	3 1	
Toluene		2.0	5.0	PQL		ND	UG/KG	3 1	
Ethylbenzene		2.0	5.0	PQL		ND	UG/KG	3 1	
Xylenes		2.0	5.0	PQL		5.93	UG/KG	3 1	
	ND INTERNAL STAND	ARD RECOV							
4-Bromofluorobe	nzene		74-121	SLSA		93%			
Toluene-d8			81-117	SLSA		88%			
Dibromofluorome	ethane		80-120	SLSA		94%			

oproved by: William & Poty

Page: 7

Project Name: Project No:	3610 GRAVENSTEIN 403		•	otal Petroleum Hy 260TPH W5035	ydrocarbons	(TPH)	by GC/MS
Field ID:	B-1		Lab Samp ID	: 4529-5			
Descr/Location:	B-1		Rec'd Date:	02/07/2005			
Sample Date:	02/07/2005		Prep Date:	02/08/2005			
Sample Time:	0830	•	Analysis Date	e: 02/09/2005			
Matrix:	Soil		QC Batch:	20050209			
Basis:	Wet		Notes:				
Analyte		Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range	Organics (C5-C12)	0.5	1.0 PQL		ND	MG/K	G 1
SURROGATE AI 4-Bromofluorobe	ND INTERNAL STANDA	RD RECOVE	ERIES: 74-121 SLS	Α	82%		

Approved by: William & Coty

Page: 8

Project Name: Project No:	3610 GRAVENSTEIN 403	1	Analysi Method Prep M	: 82	otal Petroleum Hy 160TPH W5035	ydrocarbons	(TPH)	by GC/MS	
Field ID:	SP1-SP4-COMP		Lab Sa	mp ID:	4529-6				
Descr/Location:	SP1-SP4-CO		Rec'd D	ate:	02/07/2005				
Sample Date:	02/07/2005		Prep Da	ate:	02/08/2005				
Sample Time:	0913		Analysi	s Date:	02/09/2005				
Matrix:	Soil		QC Bat	ch:	20050209				
Basis:	Wet		Notes:						
Analyte		Det Limit	Rep Limit		Note	Result	Units	Pvc Dil	
Gasoline Range	Organics (C5-C12)	0.5	1.0	PQL		1.2	MG/K	G 1	
	ND INTERNAL STAND	ARD RECOV		010:		0404			_
4-Bromofluorobe	enzene		74-121	SLSA		81%			1

Approved by: William & Coty

Lab Report No.: 4529 Date: 03/21/2005 Page: 9

3610 GRAVENSTEIN 403		Method: 82	260TPH	ydrocarbons	(TPH) k	oy GC/MS	
SW-1	· · · · · · · · · · · · · · · · · · ·	Lab Samp ID:	4529-1				
SW-1		Rec'd Date:	02/07/2005				
02/07/2005		Prep Date:	02/08/2005				
0820		Analysis Date	: 02/09/2005				
Soil		QC Batch:	20050209				
Wet		Notes:					
	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Organics (C5-C12)	0.5	1.0 PQL	DX	ND	MG/K0	3 1	
	ARD RECOV			103%			
	403 SW-1 SW-1 02/07/2005 0820 Soil Wet	SW-1 SW-1 02/07/2005 0820 Soil Wet Det Limit Organics (C5-C12) 0.5 ND INTERNAL STANDARD RECOV	403 Method: 82 Prep Meth: SI SW-1 Lab Samp ID: SW-1 Rec'd Date: 02/07/2005 Prep Date: 0820 Analysis Date Soil QC Batch: Wet Notes: Det Limit Rep Limit Organics (C5-C12) 0.5 1.0 PQL ND INTERNAL STANDARD RECOVERIES:	403 Method: 8260TPH Prep Meth: SW5035 SW-1 Lab Samp ID: 4529-1 SW-1 Rec'd Date: 02/07/2005 02/07/2005 Prep Date: 02/08/2005 0820 Analysis Date: 02/09/2005 Soil QC Batch: 20050209 Wet Notes: Det Limit Rep Limit Note Organics (C5-C12) 0.5 1.0 PQL DX ND INTERNAL STANDARD RECOVERIES:	Method: 8260TPH	Method: 8260TPH Prep Meth: SW5035 SW-1	Method: 8260TPH Prep Meth: SW5035 SW-1

Approved by: William & Poty Date: 3/31/05

Lab Report No.: 4529 Date: 03/21/2005

4-Bromofluorobenzene

Page: 10

103%

Project Name: Project No:	3610 GRAVENSTEIN 403		•	Total Petroleum Hy 8260TPH SW5035	drocarbons	(TPH)	by GC/MS
Field ID:	SW-2		Lab Samp II	D: 4529-2			
Descr/Location:	SW-2		Rec'd Date:	02/07/2005			
Sample Date:	02/07/2005		Prep Date:	02/08/2005			
Sample Time:	0822		Analysis Da	te: 02/09/2005			
Matrix:	Soil		QC Batch:	20050209			
Basis:	Wet		Notes:				
Analyte	· · · · · · · · · · · · · · · · · · ·	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range	Organics (C5-C12)	0.5	1.0 PQI	_	ND	MG/K	G 1
SURROGATE A	ND INTERNAL STAND	ARD RECOV	ERIES:	············		····	

74-121 SLSA

Approved by: William & Coty

Page: 11

Project Name: Project No:	3610 GRAVENSTEIN 403		•	Total Petroleum H 8260TPH SW5035	ydrocarbons	(TPH) t	oy GC/MS
Field ID:	SW-3		Lab Samp II	D: 4529-3			
Descr/Location:	SW-3		Rec'd Date:	02/07/2005			
Sample Date:	02/07/2005		Prep Date:	02/08/2005			
Sample Time:	0824		Analysis Da	te: 02/09/2005			
Matrix:	Soil		QC Batch:	20050209			
Basis:	Wet		Notes:				
Analyte		Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range	Organics (C5-C12)	0.5	1.0 PQ		ND	MG/K	G 1
SURROGATE AI 4-Bromofluorobe	ND INTERNAL STANDA	ARD RECOV	ERIES: 74-121 SLS	SA	88%		

Approved by: William & Poto

Lab Report No.: 4529 Date: 03/21/2005

Page: 12

Project Name: Project No:	3610 GRAVENSTEIN 403		Analysis: Method: Prep Meth:	Total Petroleum H 8260TPH SW5035	ydrocarbons	(TPH)	by GC/MS	
Field ID:	SW-4		Lab Samp I	D: 4529-4				
Descr/Location:	SW-4		Rec'd Date:	02/07/2005				
Sample Date:	02/07/2005		Prep Date:	02/08/2005				
Sample Time:	0825		Analysis Da	ate: 02/09/2005				
Matrix:	Soil		QC Batch:	20050209				
Basis:	Wet		Notes:					
Analyte		Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Gasoline Range	Organics (C5-C12)	0.5	1.0 PQ	lL	1.4	MG/K	G 1	
SURROGATE A	ND INTERNAL STAND	ARD RECOV	ERIES:					
4-Bromofluorobe	nzene		74-121 SL	SA	93%			

Approved by: William & Coty

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4529 Date: 03/21/2005

Page: 13

QC Batch:

20050209

Analysis:

VOCs by GC/MS Fuel Additives Plus BTEX

Matrix:

Soil

Method:

8260FAB

Lab Samp ID: 4529MB

Prep Meth: SW5035

Analysis Date: 02/09/2005

Prep Date: 02/09/2005

Basis:

Wet

Notes:

Dasis. Wet		NOICS.					
Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	i 1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	i 1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	UG/KG	3 1
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	1
Benzene	2.0	5.0	PQL		ND	UG/KG	3 1
Toluene	2.0	5.0	PQL		ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL		ND	UG/KG	3 1
Xylenes	2.0	5.0	PQL		ND	UG/KG	3 1
SURROGATE AND INTERNAL STAND	ARD RECOV	ERIES:					
4-Bromofluorobenzene		74-121	SLSA	•	88%		
Toluene-d8		81-117	SLSA	,	101%		
Dibromofluoromethane		80-120	SLSA	.	98%		

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4529 Date: 03/21/2005

Page: 14

QC Batch:

20050209

Analysis:

Total Petroleum Hydrocarbons (TPH) by

Matrix:

Soil

Method:

8260TPH

Lab Samp ID: 4529MB

Prep Meth: SW5035 Prep Date: 02/09/2005

Analysis Date: 02/09/2005 Basis:

Wet

Notes:

Analyte	Det	Limit Rep	Limit	Note	Result	Units	Pvc Dil	
Gasoline Range Organics (C5-C	12) 0.	.5 1	.0 PQL		ND	MG/KG	1	
	Ţ		-					

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene

74-121 SLSA

83%

QA/QC Report Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Page: 15

Lab Report No.: 4529 Date: 03/21/2005

QC Batch: 20050209 Matrix: Soil Lab Samp ID: 4529MS Basis: Wet							Project Name: 3610 GRAVENSTEIN HWY SO. Project No.: 403 Field ID: B-1 Lab Ref ID: 4529-5	ame: 0.: O:	3610 G 403 · B-1 4529-5	3RAV 5	ENSTE	N HWY	SO.	
	Analyeie	Spike	Spike Level	Sample	Spike	Spike Result			Rec	% Recoveries		Accel	Acceptance Criteria	
Analyte	Method	MS MS	DMS	Result	MS	DMS	Units	_	MS DI	DMS RPD		% Rec	RPD	۵
1.2-Dibromoethane	8260FAB	25.0	25.0	QN	29.7	28.4	UG/KG	MM.	119	114 4	4.3 135-65	35 MSA	- •	g G
1.2-Dichloroethane	8260FAB	25.0	25.0	2	23.6	24.0	UG/KG	 	94,4 9	96.0 1	1,7 135-65	35 MSA		g,
Benzene	8260FAB	25.0	25.0	2	22.2	22.8	UG/KG	- AW	88.8	91.2	2.7 142-66			g,
Di-isonroyl ether (DIPE)	8260FAB	25.0	25.0	2	22.2	21.6	UG/KG		88.8	86.4	2.7 135-65			O.
Ethyl tert-butyl ether (ETBE)	8260FAB	25.0	25.0	8	23.7	23.3	UG/KG	- MM	94.8 9		1.7 135-65		- •	යි
Ethylbenzene	8260FAB	25.0	25.0	Q	23.7	22.3	UG/KG	- 8 - 8 - 8	94.8	89.2	6.1 135-65		- •	
Methyl-tert-butyl ether (MTBE)	8260FAB	25.0	25.0	S	23.3	23.9	UG/KG	WW.	93.2 9	95.6	2.5 135-65			ප
Toluene	8260FAB	25.0	25.0	2	28.2	23.8	UG/KG	₩	113 9	95.2	17 139-60			g G
Xvienes	8260FAB	75.0	75.0	S	72.2	71.0	UG/KG	- 8 - 8	91.1	89.5	1.8 135-65			g,
tert-Amyl methyl ether (TAME)	8260FAB	25.0	25.0	2	23.9	24.0	UG/KG	<u>~</u>	95.6	96.0 0.	0.42 135-65			g S
tert-Butyl alcohol (TBA)	8260FAB	125.	125.	ð	114.	117.	UG/KG	- MM	91.2 9	93.6	2.6 140-60		•	g.
Gasoline Range Organics (C5-C12)	8260TPH	3.0	3.0	S	2.6	2.8	MG/KG	₩.	86.7 9	l		- 1		g,
4-Bromofluorobenzene	8260FAB	100.	100.	82.	100.	102.	PERCENT ww		100	102	2.0 121-74			r D
Dibromofluoromethane	8260FAB	100.	100.	94	94.	.66	PERCENT ww		94.0 9	99.0	5.2 120-80			C.
Toluene-d8	8260FAB	100.	100.	87.	107.	104.	PERCENT ww		107	104	2.8 117-81			Q
4-Bromofluorobenzene	8260TPH	100.	100.	82	107.	107.	PERCENT ww	_	107	107 0.	0.00 121-74	74 SLSA	\ 20SLSP	dy.

Chain-of Custody Form

	5				Č	Ailaiysis			
3610 Grahenstein Hwy S	3610 Granenstein Hwy South		£ 6×	i					C.O.C. No. 11610
Sampler's Signature		Şo Şo Çob	и 8 «ех. О «и. 82						Remarks: BG-042
Sample I.D.	Time Sample (24 Hour) Type	tainers	ot ram ram	1 °∠			-		
	08:20 So;1	3	X	`					1-18057
7	08:22	છ	メメ						2
Z	h2:30	8)	メソ						-3
7	OK: 205	ક	メメ						7-
7	OK: 30	3	メメ						61
7	2):10	2	X X	, <u>/</u> X	Conso	Sutt	malal	,	21
/	07:R	N		\rightarrow	Popular	1	3P- U	1	4
>	67:10	7		4	·				* 1
>	07:05	7		7)					6-

			!						
		LL	reservatio	on: A - HCL:	Preservation: A - HCL: B - H2SO4: C - NaOH: D - HNO3: (- Ice) - (specify)	C - NaOH;	D - HNO3;		- (specify)
- 2	2) 16 Date/Time 12	Received pv.	-2	為元	松	Remarks:	Posu Uts to	(Brunsing Associates, Inc.
	Date/Time	Received by:	A			ر ۲) (CC)	>	P.O. Box 588 5803 Skylane Blvd., Suite A
	Date/Time	Received for Laboratory by:	Laborationy b	y:			•		Windsor, CA 95492
		(signed)							/705-050 (/0/)